



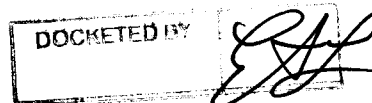
0000153167

Lisa Malagon  
Leader  
Federal and State Compliance

Mail Station 9712  
PO Box 53999  
Phoenix, Arizona 85072-3999  
Tel 602-250-5671  
Elisa.Malagon@aps.com

Arizona Corporation Commission  
**DOCKETED**

APR 30 2014

**ORIGINAL**

April 30, 2014

Docket Control  
Arizona Corporation Commission  
1200 W. Washington  
Phoenix, AZ 85007

RE: Arizona Public Service Company 2008 Amended Rate Case  
Docket No. E-01345A-08-0172

Pursuant to Decision No. 71448, dated December 30, 2009, Arizona Public Service Company ("APS") was ordered per the Settlement Agreement, Section 13.5 to:

File a report with the Commission documenting its performance for the preceding year in relation to the Performance Measures set forth in the "Performance Measures" and "Reporting Requirements" Sections set forth above. Such annual report shall be filed not later than April 30<sup>th</sup> in the years 2011, 2012, 2013 and 2014, and shall be used for determining whether the Company has met the Performance Measures for the preceding year.

Attached, please find the APS Performance Measures and Reporting Requirements report containing information set forth in Sections 13.2 and 13.4 of the Settlement Agreement, which includes information relevant to the preceding year, and includes changes from a 2007 base year. APS has met all requirement for 2013 and therefore does not seek a waiver pursuant to Section 13.3.

If you have any questions regarding this information, please contact Jeffrey Johnson at (602)250-2661.

Sincerely,

Lisa Malagon

LM/si  
Attachment

cc: Brian Bozzo  
Steve Olea  
Terri Ford  
Barbara Keene  
Parties of Record

RECEIVED  
2014 APR 30 P 4:42  
AZ CORP COMMISSION  
DOCKET CONTROL

Copy of the foregoing delivered this  
30th day of April, 2014 to:

Maureen Scott  
Legal Division  
Arizona Corporation Commission  
1200 West Washington Street  
Phoenix, AZ 85007

Janet Wagner  
Legal Division  
Arizona Corporation Commission  
1200 West Washington Street  
Phoenix, AZ 85007

Terri Ford  
Utilities Division  
Arizona Corporation Commission  
1200 West Washington Street  
Phoenix, AZ 85007

Barbara Keene  
Utilities Division  
Arizona Corporation Commission  
1200 West Washington Street  
Phoenix, AZ 85007

Elijah Abinah  
Utilities Division  
Arizona Corporation Commission  
1200 West Washington Street  
Phoenix, AZ 85007

Daniel Pozefsky  
Chief Counsel  
RUCO  
1110 West Washington  
Suite 220  
Phoenix, AZ 85007

William A. Rigsby  
RUCO  
1110 West Washington  
Suite 220  
Phoenix, AZ 85007

C. Webb Crocket  
Fennemore Craig  
3003 North Central  
Suite 2600  
Phoenix, AZ 85012

Kevin Higgins  
Energy Strategies, LLC  
215 South State Street  
Suite 200  
Salt Lake City, UT 84111

Michael L. Kurtz  
Boehm, Kurt & Lowry  
36 East Seventh Street  
Suite 2110  
Cincinnati, OH 45202

Kurt J. Boehm  
Boehm, Kurt & Lowry  
36 East Seventh Street  
Suite 2110  
Cincinnati, OH 45202

Denis George  
Corporate Energy Manager (G09)  
The Kroger Company  
1014 Vine Street  
Cincinnati, OH 45202

Stephen J. Baron  
J. Kennedy & Associates  
570 Colonial Park Drive  
Suite 305  
Roswell, GA 30075

Theodore Roberts  
Law Department  
Sempra Energy  
101 Ash Street  
H Q 13D  
San Diego, CA 92101

Lawrence V. Robertson, Jr.  
2247 E. Frontage Road  
Tubac, AZ 85646

Michael A. Curtis  
501 East Thomas Road  
Phoenix, AZ 85012

William P. Sullivan  
501 East Thomas Road  
Phoenix, AZ 85012

Larry K. Udall  
501 East Thomas Road  
Phoenix, AZ 85012

Michael Grant  
Gallagher & Kennedy, P.A.  
2575 East Camelback Road  
Phoenix, AZ 85016

Gary Yaquinto  
Arizona Investment Council  
2100 North Central  
Suite 210  
Phoenix, AZ 85004

David Berry  
Western Resource Advocates  
P.O. Box 1064  
Scottsdale, AZ 85252

Tim Hogan  
Arizona Center for Law in the Public  
Interest  
202 East McDowell Road  
Suite 153  
Phoenix, AZ 85004

Jeff Schlegel  
SWEEP Arizona Representatives  
1167 W. Samalayuca Drive  
Tucson, AZ 85704

Jay I. Moyes  
Moyes, Sellers & Sims  
1850 North Central Avenue  
Suite 1100  
Phoenix, AZ 85004

Jeffrey J. Woner  
K.R. Saline & Associates, PLC  
160 N. Pasadena  
Suite 101  
Mesa, AZ 85201

Scott Canty  
General Counsel  
The Hopi Tribe  
P.O. Box 123  
Kykotsmovi, AZ 86039

Cynthia Zwick  
1940 E. Luke Avenue  
Phoenix, AZ 85016

Nicholas J. Enoch  
349 North 4th Avenue  
Phoenix, AZ 85003

Karen S. White  
Air Force Utility Litigation &  
Negotiation Team  
AFLOA/JACL-ULT  
139 Barnes Drive  
Tyndall AFB, FL 32403

Douglas V. Fant  
Law Offices of Douglas V. Fant  
3655 W. Anthem Drive  
Suite A-109 PMB 411  
Anthem, AZ 85086

Barbara Wyllie-Pecora  
14410 W. Gunsight Dr.  
Sun City West, AZ 85375

Carlo Dal Monte  
Catalyst Paper Corporation  
65 Front Street  
Suite 201  
Nanaimo, BC 0

Steve Morrison  
SCA Tissue North America  
14005 West Old Hwy 66  
Bellemont, AZ 86015

# **Arizona Public Service Company's**

## **Settlement Section XIII.A Subsections 13.2(a)-13.2(j)**

### **Performance Measurements**

## **Section 13.2 – Performance Measurements**

- a. APS shall initiate and implement the schools renewable program in accordance with the terms set forth in Section XV. For purposes of specific performance goals, the program shall result in 50,000 MWhs of annual energy generation or savings at Arizona schools within 36 months of program approval.

**Response:** APS filed for approval of its Schools and Government Program in accordance with Sections 15.5 and 15.6 of Decision No. 71448 (the 2009 Settlement Agreement) in April of 2010, meeting the 120-day filing deadlines set forth in the Settlement. The Schools and Government Program was approved by the Commission in Decision No. 72022 (December 10, 2010) and amended by Decision No. 71274 (February 11, 2011). As of the end of 2013, approximately 51,000 MWh has been installed or reserved through this program.

## Section 13.2 – Performance Measurements

- b. The Company shall comply with the terms of its Commission - approved Implementation Plan designed to meet the energy efficiency goals set forth in Section XIV.

**Response:** Each year on March 1<sup>st</sup> and September 1<sup>st</sup>, APS files its Demand Side Management reports in Docket Control detailing APS's Compliance with the Energy Efficiency rules, Settlement Agreement, annual DSM Implementation Plan, and other DSM requirements. In 2012, APS complied with the terms of its respective DSM Implementation Plan and met the Company's Energy Efficiency goals set forth in Section 14 of the Settlement Agreement. For further details regarding APS's 2013 DSM compliance, please refer to APS's DSM Status Report docketed on August 30, 2013, in Docket No. E-00000U-13-0013 and DSM Annual Progress Report docketed on February 28, 2014 in Docket No. E-00000U-14-0049.

## **Section 13.2 – Performance Measurements**

- c. APS shall comply with the terms of its Commission-approved Implementation Plan designed to meet the goals set forth in the Renewable Energy Standard and Tariff ("REST") Rules by deriving a portion of the energy it sells from renewable technologies.

**Response:** Each year on April 1st, APS files a report in Docket Control detailing APS's compliance with the REST rules (including annual Implementation Plans) and other renewable requirements for the prior year. In 2013, APS complied with the terms of its Implementation Plan, which was approved by the Commission in Decision No. 73636 (January 31, 2013), and met its requirements as outlined in the REST rules. For further details regarding RES compliance in 2013, please refer to the APS 2013 Renewable Energy Standard Compliance Report filed in Docket No. E-01345A-12-0290 et. al. on April 1, 2014.

## Section 13.2 – Performance Measurements

- d. APS shall comply with the renewable energy goals in accordance with the terms set forth in Section XV of this Agreement.

**Response:** APS's compliance with the renewable energy goals in accordance with Section XV of the 2009 Settlement Agreement is addressed by section:

Section 15.1. This section requires APS to acquire new renewable energy resources with annual energy generation or savings of 1,700,000 MWh to be in service by December 31, 2015 in addition to existing resources or commitments as of the end of 2008. As of the end of 2013, APS has acquired approximately 1.5 million MWh towards this requirement.

Section 15.2. This section requires the Company to issue a request for proposal (RFP) for in-state wind projects within 90 days of approval of the Agreement, and file for approval of one or more such projects within 180 days of the RFP issuance. The Company issued an RFP for an in-state wind project on January 27, 2010, well within the 90-day requirement. On July 26, 2010 APS filed for approval of the Perrin Ranch Wind Project, completing the Company's compliance under this section. The Perrin Ranch Wind Project was subsequently approved by the Commission in Decision No. 72058 (January 6, 2011).

Section 15.3. This section required APS to file a utility-scale photovoltaic generation project plan within 120 days of approval of the Agreement that would begin construction not later than 18 months from the plan filing date. On April 29, 2010 the Company filed its Utility-Scale Photovoltaic Generation Project Plan which noted that, as part of the Company's overall Plan, APS had issued an RFP for PV resources in January of 2010. One of the projects selected from that RFP (the Ajo Generating Station) began construction on January 3, 2011 – well within the 18-month requirement.

Section 15.4. This section requires APS to begin pre-construction activities on one or more transmission lines identified through the process outlined in the Fifth Biennial Transmission Assessment (BTA) report intended to facilitate the construction of renewable facilities, and construct such lines as soon as permitting and other authorizations are obtained. In the Company's initial Renewable Transmission Action Plan (RTAP) filing in January of 2010, APS identified the Palo Verde to North Gila 500kV #2 line as a viable renewable transmission line, and expeditiously pursued pre-construction activities as required by the Agreement. To date, the Palo Verde-North Gila 500kV #2 line is approximately 70% complete.

Sections 15.5 and 15.6. Please see the Company's response to Section 13.2.a of this filing.

Section 15.7. This section prohibits the Company from requesting recovery of Construction Work In Progress (CWIP) related to any projects required in Section 15 of the Agreement. APS has not requested CWIP for any of these projects.



## **Section 13.2 – Performance Measurements**

- e. APS shall reduce its expenses by at least \$30 million per year, on average, in accordance with the terms set forth in Section VII of this Agreement.

**Response:** Please see APS's report filed in Docket No. 01345A-08-0172 on April 30, 2014 in compliance with Section 7.3 of Settlement Agreement.

## Section 13.2 – Performance Measurements

- f. The Company will strive to achieve a Capital Structure with no more than 52% total debt, as calculated by the credit rating agencies, by December 31, 2012.

**Response:** APS provided the Commission with information in Docket No. 01345A-08-0172 on February 28, 2014 regarding the Company's capital structure as of December 31, 2013, reflecting a total debt of 49.8%, as calculated by APS's simulation of S&P's methodology. The Company's total debt as of 2009, 2010, 2011 and 2012 was 56.6%, 54.4%, 54.3% and 52.5%, respectively. As evidenced by the decrease experienced in the past five years in the debt metric, APS continues to strive to maintain a total debt of no more than 52%, as calculated by the rating agencies, and will continue to follow the steps outlined in APS's Plan to Maintain Credit Ratings and Improve Financial Metrics filed with the Commission in Docket No. 01345A-08-0172 on April 29, 2010.

## **Section 13.2 – Performance Measurements**

- g. APS shall submit a plan to the Commission to maintain investment grade financial ratios and to improve its financial metrics.

**Response:** APS filed this plan with the Commission in Docket No. 01345A-08-0172 on April 29, 2010.

## **Section 13.2 – Performance Measurements**

- h. APS shall complete equity infusions of \$700 million in accordance with the terms set forth in Section VIII.

**Response:** Please see the information APS provided in Section 13.4(b)(vi) of this report.

## **Section 13.2 – Performance Measurements**

- i. The Company shall comply with the Annual Reporting of Financial and Customer Service Criteria as set forth in XIII.B, following.

**Response:** Contained in this filing is APS's Annual Reporting of Financial and Customer Service Criteria as set forth in Section XIII.B.

## **Section 13.2 – Performance Measurements**

- j. APS shall cooperate with the Commission Staff in its conduct of the Benchmarking Study comparing APS with other similarly situated utilities.

**Response:** The Benchmarking Study was completed by the Liberty Consulting Group and was issued on February 28, 2011. APS provided comprehensive data and responded to all requests made by ACC Staff and their consultant, Liberty, to ensure the study's completion.

# **Arizona Public Service Company's**

## **Settlement Section XIII.B Subsections 13.4(a) & 13.4(b)**

### **Reporting Requirements**

**Section 13.4(a) - Settlement Reporting Requirements:  
Customer Service, Reliability and Safety Reporting**

- i. The frequency and duration of unplanned outages (generation, transmission and distribution) as measured by the industry-used System Average Interruption Duration Index, System Average Interruption Frequency Index, and Customer Average Interruption Duration Index.

**Response:** APS follows the Institute of Electrical and Electronics Engineers ("IEEE") 1366 – 2003 "Guide for Electric Power Distribution Reliability Indices" for measuring reliability. Three of the most common indicators used for measuring reliability are SAIFI (System Average Interruption Frequency Index), SAIDI (System Average Interruption Duration Index) and CAIDI (Customer Average Interruption Duration Index). These indicators are calculated with "Major Event Days" excluded, in accordance with Sections 3.13, 4.5 and Annex B.

The data provided below reflects the portion of SAIFI, SAIDI, and CAIDI due to Generation, Transmission, and Distribution causes, respectively. The total for all three is the overall reliability experienced by APS customers.

Year	Distribution			Transmission			Generation		
	SAIFI	CAIDI (min.)	SAIDI (min.)	SAIFI	CAIDI (min.)	SAIDI (min.)	SAIFI	CAIDI (min.)	SAIDI (min.)
2007	0.90	85	76	0.11	81	9	0	0	0
2008	0.86	87	75	0.11	77	8	0	0	0
2009	0.83	88	73	0.10	73	7	0	0	0
2010	0.80	89	72	0.09	69	7	0	0	0
2011	0.72	88	64	0.08	97	7	0	0	0
2012	0.72	90	65	0.06	100	6	0	0	0
2013	0.73	101	74	0.07	59	4	0	0	0



**Section 13.4(a) - Settlement Reporting Requirements:  
Customer Service, Reliability and Safety Reporting**

- ii. Information regarding major unplanned equipment outages or downtime for maintenance, repair and/or replacement, and distribution system outages consistent with the 1000 Hour Report currently filed with the Commission.

**Response:** Attached as Attachment A is the 2013 "1000 Hour Reports" APS routinely provided to the Commission. Additionally, attached as Attachment B, is a list of all generating unit outages that occurred in 2013.

APS filed with the Commission the information included in Attachment A and Attachment B for 2007-2011 in Docket E-01345A-08-0172 on April 30, 2012 and for 2012 on April 30, 2013.

**Section 13.4(a) - Settlement Reporting Requirements:  
Customer Service, Reliability and Safety Reporting**

- iii. Number of calls from customers and level of customer satisfaction (based upon feedback surveys) regarding the way calls were handled.

**Response:** Please see below for the above requested information.

	2007	2008	2009	2010	2011	2012	2013
Number of Customer Calls into APS Call Center	5,012,173	5,172,148	5,385,642	5,238,475	5,457,004	5,387,573	5,673,018
Customer Experience Satisfaction Study	78%	83%	85%	85%	87%	87%	86%

**Section 13.4(a) - Settlement Reporting Requirements:  
Customer Service, Reliability and Safety Reporting**

- iv. Information regarding the levels of enrollment in DSM, Demand Response, Low-Income and RES programs.

**Response:**

- *Demand Side Management ("DSM") Programs.* The levels of enrollment for DSM programs are provided in Attachment C.
- *Demand Response ("DR") Programs.* The level of DR enrollment is provided in Attachment D.
- *Low Income Programs.* The level of enrollment for Low Income programs is provided in Attachment E.
- *Renewable Energy Standard ("RES") Programs.* The level of new customer enrollment for RES programs is provided in Attachment F.

**Section 13.4(a) - Settlement Reporting Requirements:  
Customer Service, Reliability and Safety Reporting**

- v. Information regarding the frequency and severity of employee injuries using All Incident Injury Rate ("AIIR").

**Response:** Information regarding the frequency and severity of employee injuries is provided in the table below:

	2007	2008	2009	2010	2011	2012	2013
Historical OSHA Recordables	177	108	97	65	58	47	35
All Incident Injury Rate ("AIIR")	2.49	1.48	1.38	0.95	0.86	0.71	0.54

**Section 13.4(a) - Settlement Reporting Requirements:  
Customer Service, Reliability and Safety Reporting**

- vi. Information addressing changes to APS' employee counts, including changes to the counts of the employees represented by the two labor unions with whom APS has entered into collective bargaining agreements.

**Response:** Below is a table containing APS's employee count for 2007 through 2013:

<b>Regular Employees</b>						
<b>Year</b>	<b>Non- Union Employees</b>	<b>IBEW 387</b>	<b>SPFPA 820/USPA Local 8*</b>	<b>Total Regular Employees</b>	<b>Temporary Employees</b>	<b>Total Employees</b>
2007	4,797	1,897	191	6,885	298	7,183
2008	4,874	1,865	215	6,954	226	7,180
2009	4,823	1,824	239	6,886	166	7,052
2010	4,747	1,698	238	6,683	150	6,833
2011	4,777	1,653	234	6,664	101	6,765
2012	4,706	1,582	225	6,513	107	6,620
2013	4,625	1,508	238	6,371	62	6,433

\*SPFPA (Security, Police and Fire Professionals of America) was replaced by USPA (United Security Professionals of America) in January of 2013.

As can be seen by the above table, from 2007 to 2013 APS has reduced its employee count by 10.5%

**Section 13.4(b) - Settlement Reporting Requirements:  
Financial Reporting**

- i. Information regarding the Company's earned return on equity ("ROE") for the preceding 12 months, including supporting calculation detail and identification of the major factors impacting that ROE. Such reports shall be filed within 60 days following the end of each quarter throughout the Plan Term.

**Response:** This information was provided to the Commission as part of APS's Quarterly Financial Reporting in Docket No. 01345A-08-0172 on the following dates:

- May 30, 2013
- August 29, 2013
- November 29, 2013
- February 28, 2014

**Section 13.4(b) - Settlement Reporting Requirements:  
Financial Reporting**

- ii. Information regarding the Company's Funds from Operations ("FFO") to Debt ratio, FFO/Interest ratio, and Total Debt/Capital ratio for the preceding 12 months, including supporting calculation detail and identification of the major factors impacting those metrics. Such reports shall be filed within 60 days following the end of each quarter throughout the Plan Term.

**Response:** This information was provided to the Commission as part of APS's Quarterly Financial Reporting in Docket No. 01345A-08-0172 on the following dates:

- May 30, 2013
- August 29, 2013
- November 29, 2013
- February 28, 2014

**Section 13.4(b) - Settlement Reporting Requirements:  
Financial Reporting**

- iii. Information regarding Pinnacle West Capital Corporation's ("PNW") stock price, net book value and the relationship of PNW's stock price to net book value. Such reports shall be filed within 60 days following the end of each quarter throughout the Plan Term.

**Response:** This information was provided to the Commission as part of APS's Quarterly Financial Reporting in Docket No. 01345A-08-0172 on the following dates:

- May 30, 2013
- August 29, 2013
- November 29, 2013
- February 28, 2014



**Section 13.4(b) - Settlement Reporting Requirements:  
Financial Reporting**

- iv. Information regarding the status of all shelf registrations for debt and equity issuance(s) of APS and PNW.

**Response:** Below please find a table describing the status of the two outstanding shelf registrations for APS and PNW.

Company	Registration Number	Name	Status
Pinnacle West Capital Corporation	333-18089 (S-3SAR)	PNW/APS Automatic Shelf Registration Statement (covering PNW Unsecured Debt Securities, Preferred Stock and Common Stock and APS Unsecured Debt Securities) (4/24/12)	This three-year shelf is effective through 4/24/2015 and registers an indeterminate amount of each identified security class. A new Automatic Shelf Registration Statement will be filed prior to 4/24/2015 to ensure there is no lapse in shelf coverage.
APS	333-18089-01 (S-3ASR)	PNW/APS Automatic Shelf Registration Statement (covering PNW Unsecured Debt Securities, Preferred Stock and Common Stock and APS Unsecured Debt Securities) (4/24/12)	This three-year shelf is effective through 4/24/2015 and registers an indeterminate amount of each identified security class. A new Automatic Shelf Registration Statement will be filed prior to 4/24/2015 to ensure there is no lapse in shelf coverage.

**Section 13.4(b) - Settlement Reporting Requirements:  
Financial Reporting**

- v. Information regarding any long-term debt issuances and their impact on APS' capital structure and FFO/Debt ratio within 60 days of such issuance.

**Response:** On March 19, 2013 APS priced \$100,000,000 of senior unsecured bonds in a reopening of the 4.50% notes series due in 2042 which were originally issued on January 13, 2012. The bonds priced at a yield of 4.187% based on a 30-year U.S. Treasury bond yield of 3.137% and a credit spread of 105 basis points. The proceeds of the \$100 million March 2013 issuance were used primarily to reduce short-term debt, which stood at \$92 million at year-end 2012. This leaves total debt up \$8 million on a pro-forma basis under the S&P method.

APS filed this information with the Commission on May 14, 2013 in Docket No. 01345A-08-0172 and will continue to report on this information as applicable.

**Section 13.4(b) - Settlement Reporting Requirements:  
Financial Reporting**

- vi. Information regarding any equity infusions made in accordance with the terms set forth in Section VIII herein, their impact upon APS' capital structure, the price per share at the time of issuance, any dilution to existing share, and the estimated impact upon APS' FFO/Debt ratio. Such reports shall be filed within 60 days of such infusion.

**Response:** Pinnacle West Capital Corporation issued 6,900,000 shares of common stock in April 2010, which resulted in net proceeds to Pinnacle West of approximately \$253 million. This amount was subsequently infused into APS. APS filed this information with the Commission on May 28, 2010 in Docket No. 01345A-08-0172. There have not been any equity infusions into APS since 2010. The company will continue to monitor the financial landscape and issue equity as appropriate. APS will report on these activities as required.

**Section 13.4(b) - Settlement Reporting Requirements:  
Financial Reporting**

- vii. Information regarding the criteria used to measure achieved performance under its Annual Cash Incentive Compensation Plan. The reporting of this information to the Commission will coincide with when it has been made publicly available and reviewed and approved by the Board of Directors for the purpose of approving Annual Cash Incentive Compensation awards.

**Response:** This information was provided to the Commission in Docket No. 01345A-08-0172 on February 28, 2014, as part of APS's Quarterly Financial Reporting.

**Section 13.4(b) - Settlement Reporting Requirements:  
Financial Reporting**

viii. Information pertaining to Management Expenses.

**Response:** The evaluation of this data reflects management expenses focused on the payroll levels of management employees. The levels of management which include supervisors and above are defined by Equal Employment Opportunity ("EEO") codes A00, A01 and A02.

**\$ in Millions**

	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>
Total Base Salary Excluding Palo Verde	\$59.0	\$60.8	\$60.4	\$62.6	\$64.9	\$67.3	\$66.5
Total Palo Verde Base Salary (APS's Share)	\$12.0	\$14.5	\$15.0	\$15.4	\$15.6	\$15.4	\$16.6

**Section 13.4(b) - Settlement Reporting Requirements:  
Financial Reporting**

- ix. Information pertaining to the Company's Dividend Payout Ratio and changes from earlier years.

**Response:** Below please find a table containing APS's dividend payout ratio from 2007 to 2013.

<b>Year</b>	<b>Dividend Payout</b>
2007	59.9%
2008	64.8%
2009	67.7%
2010	54.3%
2011	68.1%
2012	56.2%
2013	57.0%

## Section 13.4(b) - Settlement Reporting Requirements: Financial Reporting

- x. Information pertaining to Operation and Maintenance Expense and any significant changes from year to year.

**Response:** Below please find information regarding Operation and Maintenance Expense from 2007 to 2013 and explanations for significant year over year changes.

	\$ in Millions						
<b>FERC O&amp;M Categories (Excluding Fuel and Transmission Wheeling)<sup>1</sup></b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>
Steam Production <sup>2</sup>	\$ 143.8	\$ 139.7	\$ 160.0	\$ 160.7	\$ 151.0	\$ 156.7	\$ 166.3
Nuclear Production <sup>3</sup>	216.4	245.9	238.5	236.1	228.1	228.7	224.0
Other Production <sup>4</sup>	69.6	89.0	148.4	166.4	179.6	140.1	153.0
Distribution <sup>5</sup>	120.7	133.6	119.6	117.5	104.2	120.7	125.7
Transmission <sup>6</sup>	27.1	30.6	33.1	36.9	51.3	63.5	67.2
Customer Service <sup>7</sup>	118.5	130.1	135.4	161.8	173.1	183.0	182.0
<b>Total O&amp;M</b>	<b>\$696.2</b>	<b>\$768.9</b>	<b>\$834.9</b>	<b>\$879.3</b>	<b>\$887.3</b>	<b>\$892.7</b>	<b>\$918.1</b>

1: With functional allocations of administrative and general costs.

2: Steam production costs increased in 2009 primarily due to increased planned overhauls, and increased in 2013 primarily due to the write-off of Four Corners Units 1-3.

3: Nuclear production costs increased in 2008 due to costs required to restore Palo Verde to operational performance and to address the NRC's Corrective Action Letter ("CAL").

4: Other production changes are primarily due to the RES program cost increases of: \$14M in 2008, \$48.3M in 2009, and \$11.9 in 2013; and a decrease in 2012 of \$31.7M.

5: Distribution costs increased in 2008 and decreased in 2009 for a one-time employee severance of \$9M.

6: Transmission costs increased in 2011 and 2012 with the amortization of deferred FERC Vegetation Management costs beginning July, 2011.

7: Customer Service costs increased primarily due to DSM program cost increases of \$14.4M in 2009, \$24.4M in 2010, and \$22.8M in 2011 and \$5.3M in 2012.

**Section 13.4(b) - Settlement Reporting Requirements:  
Financial Reporting**

- xi. Information pertaining to Customer and Sales Expense per Customer and any significant changes from year to year.

**Response:** Below please find a table containing APS's customer and sales expense per customer for 2007 through 2013:

	2007	2008	2009	2010	2011	2012	2013
Customer and Sales Expense per Customer (without DSM Program Cost)	\$79.14	\$86.42 <sup>1</sup>	\$77.34	\$71.72 <sup>2</sup>	\$61.53 <sup>3</sup>	\$57.18 <sup>4</sup>	\$55.12
DSM Program Costs	\$6.26	\$7.42	\$20.35	\$41.91	\$61.94	\$65.98	\$66.59
Total Customer and Sales Expense per Customer	\$85.40	\$93.83	\$97.69	\$113.63	\$123.47	\$123.16	\$121.71

1: In 2008, the increase is due to severance and bad debt write-offs.

2: In 2010, the decrease is due to less CRCC amortization and bad debt write-offs.

3: In 2011, the decrease is mainly due to the elimination of the CRCC amortization.

4: In 2012, the decrease is mainly due to less meter reading expense because of the new AMI meters.



**Section 13.4(b) - Settlement Reporting Requirements:  
Financial Reporting**

- xii. Information regarding the Company's level of major capital expenditures, and its consideration of available alternatives in connection with such capital expenditures for generation facilities.

**Response:** Below please find a table containing APS's major capital expenditures from 2007, 2008, 2009, 2010, 2011, 2012 and 2013:

	Actual Capital Expenditures (\$ in M)						
	2007	2008	2009	2010	2011	2012	2013
<b>Generation:</b>							
Existing Generation	\$ 143	\$ 138	\$ 144	\$ 172	\$ 127	139	125
Nuclear Fuel	96	47	64	63	85	72	56
Renewables	-	-	-	6	225	218	166
Environmental	67	96	33	11	15	8	20
Yuma Peaking Plant	47	29	-	-	-	-	-
Four Corners 4/5 Purchase	-	-	-	-	-	-	209
<b>Distribution</b>	372	340	246	232	238	232	234
<b>Transmission</b>	138	163	193	120	111	106	132
<b>Other *</b>	37	43	52	62	84	61	44
<b>Total</b>	<b>\$ 900</b>	<b>\$ 856</b>	<b>\$ 732</b>	<b>\$ 666</b>	<b>\$ 885</b>	<b>\$ 836</b>	<b>\$ 986</b>

\* Projects included in Other are primarily related to information systems and facilities.

In relation to APS's renewable energy capital expenditures, APS considered and purchased a substantial amount of energy from third-party renewable energy producers. Regarding available alternatives considered in connection with APS's Four Corners 4/5 purchase, please refer to Docket No. E-01345A-10-0474 and Docket No. E-01345A-11-0224.

# **Attachment A**

# 1000 HOUR CUSTOMER OUTAGE REPORT

12/31/2012 - 01/06/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
NORTHEAST	1/3/2013	PREACHER CANYON	6	STORM RELATED	02:45AM	01:13PM	14:14PM	2475	227
NORTHEAST	1/3/2013	PREACHER CANYON	6	STORM RELATED	07:15AM	07:34AM	12:45PM	7675	2030

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

## 01/07/2013 - 01/13/2013

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

**1/14/2013 - 1/20/2013**

\*Individual customer hours may vary as portions of the fleet may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*\* Based on the definition of "Customer" contained in A.C. R-14-2-2B1 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

1/21/2013 - 1/27/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	1/21/2013	MEADOWBROOK	6	EQUIPMENT FAILURE	08:09AM	09:29AM	09:29AM	1625	1219
METRO	1/26/2013	GLENDALE	2	FOREIGN INTERFERENCE - ANIMAL	03:27PM	04:28PM	05:55PM	3195	2104
METRO	1/26/2013	TURF	13	EQUIPMENT FAILURE - STORM	05:50PM	06:23PM	07:57PM	1189	1617
NORTHWEST	1/26/2013	BALD MOUNTAIN	1	EQUIPMENT FAILURE - STORM	07:09AM	09:45AM	02:18PM	10704	2899
SOUTHWEST	1/25/2013	COCOPAH	2	WEATHER STORM RELATED	10:50PM	11:59PM	01:58PM 01/26/2013	7219	1778

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.C. R-14-2-201 (3)

# 1000 HOUR CUSTOMER OUTAGE REPORT

1/21/2013 - 1/27/2013 Revised

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	1/21/2013	MEADOWBROOK	6	EQUIPMENT FAILURE	08:09AM	09:29AM	09:29AM	1625	1219
METRO	1/26/2013	GLENDAL	2	INTERFERENCE - ANIMAL	03:27PM	04:28PM	05:55PM	3195	2104
METRO	1/26/2013	TURF	13	EQUIPMENT FAILURE - STORM	05:50PM	06:23PM	07:57PM	1182	1617
NORTHWEST	1/26/2013	BALD MOUNTAIN	1	EQUIPMENT FAILURE - STORM	07:09AM	09:45AM	02:18PM	10704	2899
SOUTHWEST	1/25/2013	COCOPAH	2	WEATHER STORM RELATED	10:50PM	11:59PM	01:58PM 01/26/2013	7212	1778

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.C. R-14-2-201 (9)

## 1/28/2013-2/3/2013

\*Individual customer hours may vary as positions of the feeder may have been brought on line sequentially. Onstage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

## Based on the definition of "Customer" contained in A.C. R-14-2-201 (9)



# 1000 HOUR CUSTOMER OUTAGE REPORT

2/4/2013-2/10/13

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	2/9/2013	HEDGEPEETH HILLS	9	FOREIGN INTERFERENCE -	09:37PM	10:35PM	02:10AM (2/10/2013)	1439	1206
				VEHICLE EQUIPMENT FAILURE					
NORTHEAST	2/10/2013	COCONINO	12		06:49PM	08:33PM	08:33PM	2831	1633

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

2/11/2013-2/17/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
SOUTHEAST	2/12/2013	FAIRVIEW	1	LOSS OF OTHER UTILITY SUPPLY	12:42AM	01:11AM	01:11AM	1246	2577
SOUTHEAST	2/12/2013	FAIRVIEW	14	LOSS OF OTHER UTILITY SUPPLY	12:42AM	01:11AM	01:11AM	1134	2347
SOUTHEAST	2/13/2013	FAIRVIEW	14	EQUIPMENT FAILURE	09:02PM	10:10PM	01:45AM 02/14/2013	3806	2347

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

2/18/2013-2/24/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	2/21/2013	WHY	1	EQUIPMENT FAILURE	01:33AM	09:32AM	09:32AM	1205	151
NORTHEAST	2/20/2013	PREACHER CANYON	6	WEATHER-STORM RELATED	12:22PM	05:22PM	06:49PM	3307	537
NORTHWEST	2/24/2013	WHITE SPAR	12	VEGETATION CONTACT	03:48PM	06:35PM	00:50AM (02/25/2013)	8513	1159

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

2/18/2013-2/24/2013 REVISED

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	2/21/2013	WHY	1	EQUIPMENT FAILURE	01:33AM	09:32AM	09:32AM	1237	155
NORTHEAST	2/20/2013	PREACHER CANYON	6	WEATHER-STORM RELATED	12:22PM	05:22PM	06:49PM	3307	537
NORTHWEST	2/24/2013	WHITE SPAR	12	VEGETATION CONTACT	03:48PM	06:35PM	00:50AM (02/25/2013)	8513	1159

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

2/25/2013-3/3/2013

\* Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "customer" as defined in the FERC Order.

2/25/2013-3/3/2013 REVISED

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

# 1000 HOUR CUSTOMER OUTAGE REPORT

3/4/2013-3/10/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	3/8/2013	NEW RIVER	12	EQUIPMENT FAILURE - STORM RELATED	08:49AM	09:38AM	12:55PM	2919	1270
METRO	3/8/2013	SUNNYSLOPE	17	EQUIPMENT FAILURE - STORM RELATED	02:22PM	03:05PM	04:19PM	2013	1587
NORTHEAST	3/8/2013	PREACHER CANYON	6	WEATHER STORM RELATED	02:13AM	09:29AM	09:29AM	3902	537
NORTHEAST	3/8/2013	TONTO	14	VEGETATION CONTACT - STORM RELATED	10:03AM	02:30PM	02:30PM	1989	447
NORTHEAST	3/8/2013	PREACHER CANYON	6	WEATHER STORM RELATED	11:00AM	02:52PM	02:52PM	9763	2525
NORTHEAST	3/8/2013	TONTO	14	WEATHER STORM RELATED	12:05PM	05:38PM	05:38PM	2570	463
NORTHEAST	3/8/2013	PREACHER CANYON	6	WEATHER STORM RELATED	03:05PM	04:53PM	12:20AM 03/09/2013	8363	2257
NORTHEAST	3/10/2013	PREACHER CANYON	6	UNKNOWN - OTHER	05:56AM	06:43AM	09:40AM	5423	2257
NORTHEAST	3/10/2013	PREACHER CANYON	6	EQUIPMENT FAILURE	06:59PM	07:00PM	12:19AM 03/11/2013	6781	2257
NORTHWEST	3/8/2013	LONESOME VALLEY	14	EQUIPMENT FAILURE - STORM RELATED	12:32PM	02:41PM	09:02PM	2096	423
SOUTHEAST	3/10/2013	CASA GRANDE	2	FOREIGN INTERFERENCE - VEHICLE	05:28PM	07:06PM	06:23AM 03/11/2013	3262	1460
SOUTHWEST	3/7/2013	SALOME	3	WEATHER WIND	01:23PM	02:20PM	02:56PM	1306	988

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outages data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be rebookmarked.

\*\* Based on the definition of "Customer" contained in A.C. E-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

3/11/2013 - 3/17/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	3/11/2013	TWENTY-THIRD ST.	22	FOREIGN INTERFERENCE- VANDALISM	01:11AM	03:40AM	03:40AM	1455	586
METRO	3/12/2013	DEER VALLEY	13	FOREIGN INTERFERENCE - VEHICLE	02:27AM	03:05AM	04:54AM	1275	1623
METRO	3/17/2013	MCCORMICK	10	UNDERGROUND CABLE	12:52PM	01:50PM	02:25PM	1441	1488
NORTHEAST	3/16/2013	BLUE RIDGE	12	UNDERGROUND CABLE	05:25AM	10:53PM	10:53PM	1310	75
NORTHEAST	3/16/2013	BLUE RIDGE	12	EQUIPMENT FAILURE	05:25AM	11:01PM	11:01PM	2059	117
NORTHEAST	3/17/2013	TONTO	14	EQUIPMENT FAILURE	09:11AM	05:56PM	05:56PM	2923	334
NORTHWEST	3/17/2013	COTTONWOOD	14	EQUIPMENT FAILURE	11:44AM	02:56PM	09:05PM	2331	488

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)



# 1000 HOUR CUSTOMER OUTAGE REPORT

3/11/2013 - 3/17/2013 REVISED

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	3/11/2013	TWENTY-THIRD ST.	22	FOREIGN INTERFERENCE- VANDALISM	01:11AM	03:40AM	03:40AM	1455	586
METRO	3/12/2013	DEER VALLEY	13	FOREIGN INTERFERENCE - VEHICLE	02:27AM	03:05AM	04:54AM	1275	1623
METRO	3/17/2013	MCCORMICK	10	UNDERGROUND CABLE	12:52PM	01:50PM	02:25PM	1441	1488
NORTHEAST	3/16/2013	BLUE RIDGE	12	UNDERGROUND CABLE	05:25AM	10:53PM	10:53PM	1310	75
NORTHEAST	3/17/2013	TONTO	14	EQUIPMENT FAILURE	09:11AM	05:56PM	05:56PM	2923	334
NORTHWEST	3/17/2013	COTTONWOOD	14	EQUIPMENT FAILURE	11:44AM	02:56PM	09:05PM	2331	488

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

3/18/2013 - 3/24/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	3/18/2013	SURPRISE	4	INTERFERENCE FOREIGN VEHICLE	07:50AM	08:21AM	11:44AM	1689	1834

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

3/25/2013-3/31/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	3/26/2013	SHERMAN STREET	17	SUBSTATION RELATED	05:55PM	07:00PM	07:00PM	1144	1056
NORTHEAST	3/26/2013	KRAMS CANYON	3	EQUIPMENT FAILURE	09:17PM	10:43PM	02:48AM 03/27/2013	6478	1571
SOUTHEAST	3/28/2013	PINAL	4	FOREIGN INTERFERENCE - VEHICLE	02:17PM	03:04PM	01:55PM 03/29/2013	1969	2177
SOUTHEAST	3/31/2013	MERRILL	1	FOREIGN INTERFERENCE - VEHICLE	02:06AM	03:50AM	04:16AM	2409	1110

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

3/25/2013-3/31/2013 REVISED

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	3/26/2013	SHERMAN STREET	17	SUBSTATION RELATED	05:55PM	07:00PM	07:00PM	1144	1056
NORTHEAST	3/26/2013	KEAMS CANYON	3	EQUIPMENT FAILURE	09:17PM	10:43PM	02:48AM 03/27/2013	6478	1571
NORTHEAST	3/28/2013	SANDVIG	4	FOREIGN INTERFERENCE - VEHICLE	10:24AM	04:28PM	04:28PM	1238	204
SOUTHEAST	3/28/2013	PINAL	4	FOREIGN INTERFERENCE - VEHICLE	02:17PM	03:04PM	01:55PM 03/29/2013	1969	2177
SOUTHEAST	3/31/2013	MERRILL	1	FOREIGN INTERFERENCE - VEHICLE	02:06AM	03:50AM	04:16AM	2409	1110

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

4/01/2013-4/07/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off	Customer Count**
METRO	4/1/2013	COLDWATER	12	FOREIGN INTERFERENCE - VEHICLE	08:10AM	09:27AM	03:54PM	1996	308
METRO	4/4/2013	CHAPARRAL	2	EQUIPMENT FAILURE	04:14PM	04:51PM	05:07PM	1025	1278
METRO	4/6/2013	GLENDALE	6	EQUIPMENT FAILURE	06:12PM	07:33PM	02:05AM (04/07/2013)	2102	785
SOUTHWEST	4/4/2013	QUARTZSITE	6	TRANSMISSION RELATED	10:31AM	11:23AM	11:23AM	1160	1338

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

4/01/2013-4/07/2013 REVISED

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off	Customer Count**
METRO	4/1/2013	COLDWATER	12	INTERFERENCE - FOREIGN VEHICLE	08:10AM	09:27AM	03:54PM	1996	308
METRO	4/4/2013	CHAPARRAL	2	EQUIPMENT FAILURE	04:14PM	04:51PM	05:07PM	1025	1278
METRO	4/6/2013	GLENDALE	6	EQUIPMENT FAILURE	06:12PM	07:33PM	02:05AM (04/07/2013)	2714	785
SOUTHWEST	4/4/2013	QUARTZSITE	6	TRANSMISSION RELATED	10:31AM	11:23AM	11:23AM	1160	1338

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be re-submitted.

\*\*Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

4/8/2013-4/14/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	4/9/2013	MEADOWBROOK	1	EQUIPMENT FAILURE	07:25PM	08:30PM	01:18AM	1678	1544
NORTHEAST	4/8/2013	CHOLLA CONSTRUCTION	33	WEATHER - WIND	11:49AM	01:45PM	01:45PM	1069	553
NORTHEAST	4/8/2013	BLUE RIDGE	12	WEATHER - WIND	12:06PM	06:48PM	06:48PM	3189	476
NORTHEAST	4/8/2013	SANDVIG	4	WEATHER - WIND	12:09PM	01:07PM	07:57PM	1950	1294
NORTHEAST	4/8/2013	PREACHER CANYON	6	WEATHER - STORM	07:45PM	12:00AM	01:00AM	2663	537
NORTHEAST	4/9/2013	PREACHER CANYON	6	EQUIPMENT FAILURE - STORM	02:03PM	03:57PM	03:57PM	1127	593
SOUTHEAST	4/8/2013	PICKET	2	WEATHER - WIND	02:25PM	03:55PM	03:55PM	1004	669
SOUTHEAST	4/8/2013	CASA GRANDE	22	EQUIPMENT FAILURE - STORM	02:36PM	03:08PM	12:30PM	3233	1960
SOUTHWEST	4/8/2013	SALOME	3	EQUIPMENT FAILURE - STORM	05:20PM	07:07PM	01:04AM	2518	1036

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

4/15/2013-4/21/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	4/21/2013	ORANGEWOOD	13	UNDERGROUND CABLE	04:14AM	06:04AM	07:03AM	1796	675
SOUTHWEST	4/19/2013	EHRENBERG	4	LOSS OF OTHER UTILITY SUPPLY	11:15PM	03:44AM (4/20/2013)	03:44AM (4/20/2013)	2564	572

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)



# 1000 HOUR CUSTOMER OUTAGE REPORT

4/22/2013-4/28/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	4/22/2013	MARINETTE	13	EQUIPMENT FAILURE	01:24PM	01:56PM	06:35PM	4722	2626
NORTHEAST	4/22/2013	ELDEN	12	EQUIPMENT FAILURE	08:36PM	09:46PM	01:23AM (4/23/2013)	11277	3163
NORTHWEST	4/28/2013	DEWEY	2	EQUIPMENT FAILURE	02:06PM	03:58PM	09:29PM	1098	585
SOUTHWEST	4/22/2013	SAN LUIS	1	FOREIGN INTERFERENCE - ANIMAL	06:03AM	07:07AM	10:47AM	1952	1378
SOUTHWEST	4/26/2013	QUECHAN	22	FOREIGN INTERFERENCE - MYLAR BALLOONS	07:09AM	07:32AM	10:20AM	1000	802

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

4/29/2013-5/5/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
NORTHEAST	5/2/2013	MUNDS PARK	5	VEGETATION CONTACT	10:04AM	03:29PM	03:29PM	1121	207
NORTHEAST	5/2/2013	WOODY MOUNTAIN	14	EQUIPMENT FAILURE - STORM	10:22AM	11:01AM	05:00PM	2044	3126

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

05/06/2013-05/12/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
NORTHEAST	5/8/2013	WINSLOW	14	FOREIGN INTERFERENCE - VEHICLE	10:43AM	11:35AM	08:29PM	1760	943
METRO	5/10/2013	EASTERN OFFICE	9	EQUIPMENT FAILURE - STORM RELATED	08:20PM	09:49PM	12:43AM (05/11/2013)	3811	2278
NORTHWEST	5/10/2013	CHINO VALLEY	10	EQUIPMENT FAILURE - STORM RELATED	05:05PM	06:14PM	07:45PM	1658	888
NORTHWEST	5/10/2013	COPPER CANYON	2	WEATHER - LIGHTNING	06:11PM	07:09PM	07:37PM	1430	1171

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

5/13/2013-5/19/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	5/15/2013	MARINETTE	18	SUBSTATION RELATED	03:05PM	04:35PM	04:35PM	3407	2271
METRO	5/15/2013	MARINETTE	19	SUBSTATION RELATED	03:05PM	05:21PM	05:21PM	3341	1474
METRO	5/15/2013	MARINETTE	21	SUBSTATION RELATED	03:05PM	05:29PM	05:29PM	4234	1764
METRO	5/15/2013	MARINETTE	22	UNDERGROUND CABLE	03:05PM	06:29PM	08:21PM	7362	1466
METRO	5/18/2013	ARROWHEAD	5	UNKNOWN-OTHER	02:12PM	03:21PM	04:37PM	2485	1688
METRO	5/19/2013	FILLMORE	19	FOREIGN INTERFERENCE-ACCIDENTAL	01:13PM	01:30PM	05:47PM	1136	1409
SOUTHWEST	5/13/2013	TENTH ST. (YUMA)	6	EQUIPMENT FAILURE	12:55PM	02:21PM	05:18PM	1920	1327
SOUTHWEST	5/19/2013	LAGUNA	5	EQUIPMENT FAILURE	09:22AM	09:56AM	03:52PM	1526	1740

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

5/13/2013-5/19/2013 Revised

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	5/15/2013	MARINETTE	18	SUBSTATION RELATED	03:05PM	04:35PM	04:35PM	3407	2271
METRO	5/15/2013	MARINETTE	19	SUBSTATION RELATED	03:05PM	05:21PM	05:21PM	3341	1474
METRO	5/15/2013	MARINETTE	21	SUBSTATION RELATED	03:05PM	05:29PM	05:29PM	4234	1764
METRO	5/15/2013	MARINETTE	22	UNDERGROUND CABLE	03:05PM	06:29PM	08:21PM	7362	1466
METRO	5/18/2013	ARROWHEAD	5	UNKNOWN-OTHER	02:12PM	03:21PM	04:37PM	2485	1688
METRO	5/19/2013	FILLMORE	19	FOREIGN INTERFERENCE-ACCIDENTAL	01:13PM	01:30PM	05:47PM	1286	1409
SOUTHWEST	5/13/2013	TENTH ST. (YUMA)	6	EQUIPMENT FAILURE	12:55PM	02:21PM	05:18PM	1920	1327
SOUTHWEST	5/19/2013	LAGUNA	5	EQUIPMENT FAILURE	09:22AM	09:56AM	03:52PM	1526	1740

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

5/20/2013-5/26/2013

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

**\*\* Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)**

# 1000 HOUR CUSTOMER OUTAGE REPORT

5/27/2013 - 6/2/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	5/27/2013	VALENCIA	1	VEGETATION CONTACT	08:49am	09:38am	09:41am	1493	1807
				FOREIGN					
METRO	5/27/2013	HARBOR	21	INTERFERENCE - VEHICLE	07:43pm	08:06pm	08:48am (5/28/2013)	1472	180
				FOREIGN					
METRO	5/30/2013	DOVE VALLEY	2	UNKNOWN-OTHER	11:41pm	01:17am (5/31/2013)	03:36am (5/31/2013)	2873	1033
				FOREIGN					
METRO	5/31/2013	GLENDALE	17	INTERFERENCE - VEHICLE	09:57am	10:58am	06:20pm	1148	1108

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

06/03/2013-06/09/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off	Customer Count**
METRO	6/5/2013	LOOKOUT	10	UNDERGROUND CABLE FAULT	06:18PM	06:43PM	11:49PM	1260	1993
METRO	6/7/2013	ALTADENA	4	UNDERGROUND CABLE FAULT	06:47AM	07:49AM	09:09AM	2016	1101
METRO	6/8/2013	DYSART	14	EQUIPMENT FAILURE	12:07PM	12:44PM	11:20PM	1838	639

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)



# 1000 HOUR CUSTOMER OUTAGE REPORT

06/10/2013-06/16/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	6/11/2013	DYSART	17	UNDERGROUND CABLE	02:06AM	02:57AM	05:54AM	1710	1705
METRO	6/12/2013	SHAW	9	FOREIGN INTERFERENCE - VEHICLE	12:10AM	12:43AM	04:03AM	2972	1530
METRO	6/14/2013	RIO VISTA	1	UNDERGROUND CABLE	03:39PM	04:33PM	09:07PM	4098	1851
METRO	6/16/2013	RIO VISTA	13	EQUIPMENT FAILURE	03:30PM	04:05PM	11:37PM	3349	2458
METRO	6/16/2013	LOOKOUT	10	UNDERGROUND CABLE	11:08PM	12:10AM	12:10AM	2059	1993
NORTHEAST	6/13/2013	TONTO	4	FOREIGN INTERFERENCE - VEHICLE	11:01AM	05:17PM	05:17PM	3610	576
NORTHEAST	6/13/2013	WOODY MOUNTAIN	14	EQUIPMENT FAILURE	01:39PM	02:26PM	03:22PM	2449	3126
NORTHWEST	6/12/2013	BAGDAD-APS	4	TRANSMISSION RELATED - FIRE	07:27AM	09:53AM	09:53AM	2341	962
NORTHWEST	6/12/2013	BAGDAD-APS	4	TRANSMISSION RELATED - FIRE	05:02PM	07:01PM	07:01PM	1908	962
SOUTHEAST	6/16/2013	COOLIDGE-APS	1	UNKNOWN-OTHER	10:26AM	11:45AM	11:51AM	1118	836

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

06/17/2013-06/23/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	6/18/2013	DOUBLE TREE	3	FOREIGN INTERFERENCE - ANIMAL	05:14AM	06:10AM	07:01AM	1052	857
METRO	6/19/2013	LOMA VISTA	12	UNDERGROUND CABLE	09:03PM	09:58PM	10:21PM	1472	1244
METRO	6/20/2013	MCDOWELL	20	FOREIGN INTERFERENCE - OTHER	01:53PM	03:02PM	03:07PM	1974	1624
NORTHWEST	6/18/2013	BAGDAD MINE-TOWNSITE	4	ACCIDENTAL TRANSMISSION RELATED	12:09PM	10:11PM	10:11PM	9652	962
NORTHWEST	6/22/2013	QUAIL SPRINGS	6	UNDERGROUND CABLE	03:48PM	04:47PM	06:56PM	3196	1903
SOUTHEAST	6/23/2013	FAIRVIEW	1	TRANSMISSION RELATED	01:59PM	03:50PM	03:50PM	4534	2451
SOUTHEAST	6/23/2013	FAIRVIEW	4	TRANSMISSION RELATED	01:59PM	03:47PM	03:47PM	1498	832
SOUTHEAST	6/23/2013	FAIRVIEW	6	TRANSMISSION RELATED	01:59PM	03:50PM	03:50PM	1931	1044
SOUTHEAST	6/23/2013	FAIRVIEW	14	TRANSMISSION RELATED	01:59PM	03:50PM	03:50PM	4203	2272

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.  
 \*\* Based on the definition of "Customer" contained in A.C. R-14-2-201 (9)

6/24/2013-6/30/2013

<sup>46</sup>Individual customer hours may vary as policies of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

# 1000 HOUR CUSTOMER OUTAGE REPORT

7/1/2013-7/7/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	7/2/2013	CENTURY	9	SUBSTATION	04:05AM	05:12AM	05:16AM	1315	1148
METRO	7/5/2013	DOUBLE TREE	4	RELATED-STORM UNDERGROUND CABLE	03:08AM	04:30AM	05:58AM	1593	725
NORTHEAST	7/2/2013	WINSLOW	2	SUBSTATION	04:34PM	05:16PM	05:16PM	1445	2064
NORTHEAST	7/2/2013	SNOWFLAKE	2	RELATED-STORM EQUIPMENT	05:28PM	05:53PM	09:52PM	1016	2285
NORTHEAST	7/4/2013	ELDEN	12	FAILURE - STORM RELATED - WIRE DOWN	04:34PM	05:46PM	06:04PM	1862	1552
NORTHWEST	7/2/2013	QUAIL SPRINGS	10	SUBSTATION	02:39PM	07:36PM	01:24PM (7/5/2013)	3269	483
NORTHWEST	7/2/2013	QUAIL SPRINGS	14	RELATED-STORM	04:31PM	06:23PM	06:23PM	4362	2337
NORTHWEST	7/2/2013	COPPER CANYON	2	SUBSTATION	04:50PM	06:06PM	06:06PM	1483	1171
NORTHWEST	7/3/2013	PRESCOTT CITY	5	RELATED-STORM	03:14PM	03:45PM	03:45PM	1633	3161
NORTHWEST	7/3/2013	WHITE SPAR	12	RELATED-STORM	03:14PM	04:20PM	04:20PM	5124	4658
NORTHWEST	7/7/2013	WHITE SPAR	2	SUBSTATION	04:19PM	05:25PM	05:25PM	1058	962
SOUTHEAST	7/5/2013	PALOMINAS	4	RELATED-STORM	01:19PM	07:19PM	07:19PM	2448	408
SOUTHEAST	7/6/2013	VALLEY FARMS	4	SUBSTATION	09:42PM	02:03AM (7/7/2013)	02:00PM (7/9/2013)	3242	726

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

7/1/2013-7/7/2013 Revised

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off	Customer Count**
METRO	7/2/2013	CENTURY	9	WEATHER - WIND	04:05AM	05:12AM	05:16AM	1315	1148
METRO	7/5/2013	DOUBLE TREE	4	UNDERGROUND CABLE	03:08AM	04:30AM	05:58AM	1593	725
NORTHEAST	7/2/2013	WINSLOW	2	WEATHER - WIND	04:34PM	05:16PM	05:16PM	1445	2064
NORTHEAST	7/2/2013	SNOWFLAKE	2	EQUIPMENT FAILURE - STORM RELATED	05:28PM	05:53PM	09:52PM	1016	2285
NORTHEAST	7/4/2013	ELDEN	12	WEATHER - LIGHTNING	04:34PM	05:46PM	06:05PM	1863	1552
NORTHWEST	7/2/2013	QUAIL SPRINGS	10	WEATHER - STORM RELATED	02:39PM	07:36PM	01:24PM (7/5/2013)	3269	483
NORTHWEST	7/2/2013	QUAIL SPRINGS	14	WEATHER - STORM RELATED	04:31PM	06:23PM	06:23PM	4362	2337
NORTHWEST	7/2/2013	COPPER CANYON	2	WEATHER - STORM RELATED	04:50PM	06:06PM	06:06PM	1483	1171
NORTHWEST	7/3/2013	PRESCOTT CITY	5	WEATHER - STORM RELATED	03:14PM	03:45PM	03:45PM	1633	3161
NORTHWEST	7/3/2013	WHITE SPAR	12	WEATHER - STORM RELATED	03:14PM	04:20PM	04:20PM	5124	4658
NORTHWEST	7/7/2013	WHITE SPAR	2	WEATHER - WIND	04:19PM	05:25PM	05:25PM	1058	962
SOUTHEAST	7/5/2013	PALOMINAS	4	WEATHER - STORM RELATED	01:19PM	07:19PM	07:19PM	2448	408
SOUTHEAST	7/6/2013	VALLEY FARMS	4	WEATHER - STORM RELATED	09:42PM	02:03AM (7/7/2013)	02:00PM (7/9/2013)	3242	726

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

7-8-2013 - 7-14-2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	7/10/2013	SUNNYSLOPE	9	WEATHER - STORM RELATED	04:12AM	05:03AM	05:58AM	2218	2111
METRO	7/11/2013	LOOKOUT	10	EQUIPMENT FAILURE	08:47AM	09:19AM	01:14PM	2024	2020
METRO	7/12/2013	GREENBRIER	12	UNDERGROUND CABLE	08:00PM	09:49PM	03:05AM (7/13/2013)	1911	564
METRO	7/14/2013	VALENCIA	1	WEATHER - STORM RELATED	07:39PM	08:16PM	08:59PM	1204	1747
NORTHEAST	7/13/2013	SWITZER CANYON	13	UNDERGROUND CABLE	05:44AM	07:36AM	07:43AM	3958	2091
NORTHEAST	7/14/2013	SNOWFLAKE	14	WEATHER - STORM RELATED	03:26PM	03:57PM	04:40PM	2297	1890
NORTHWEST	7/14/2013	WHITE SPAR	10	WEATHER - STORM RELATED	12:00PM	03:35PM	03:35PM	1226	342
SOUTHEAST	7/8/2013	FAIRVIEW	6	WEATHER - STORM RELATED	10:46PM	12:17AM (7/9/2013)	06:37AM (7/9/2013)	4845	1370
SOUTHEAST	7/9/2013	KEARNY	2	LOSS OF OTHER UTILITY SUPPLY	01:25PM	03:12PM	03:12PM	1667	935
SOUTHEAST	7/10/2013	PALOMINAS	4	WEATHER - STORM RELATED	09:33PM	11:05PM	12:04AM (7/12/2013)	1049	417
SOUTHEAST	7/11/2013	BOOTHILL	1	WEATHER - STORM RELATED	12:49AM	09:17AM	09:17AM	8424	995
SOUTHEAST	7/11/2013	PINAL	1	WEATHER - STORM RELATED	08:21AM	09:46AM	04:27PM	1372	947
SOUTHEAST	7/14/2013	COOLIDGE-APS	1	WEATHER - STORM RELATED	07:21PM	09:30PM	10:13PM	2637	920
SOUTHWEST	7/10/2013	LAGUNA	13	WEATHER - STORM RELATED	02:37AM	05:07AM	05:07AM	1963	785

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

7-8-2013 - 7-14-2013 Revised

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off	Customer Count**
METRO	7/10/2013	SUNNYSLOPE	9	WEATHER - STORM RELATED	04:12AM	05:03AM	05:58AM	2218	2111
METRO	7/11/2013	LOOKOUT	10	EQUIPMENT FAILURE	08:47AM	09:19AM	01:14PM	2024	2020
METRO	7/12/2013	GREENBRIER	12	UNDERGROUND CABLE	08:00PM	09:49PM	03:05AM (7/13/2013)	1911	564
METRO	7/14/2013	VALENCIA	1	WEATHER - STORM RELATED	07:39PM	08:16PM	08:59PM	1204	1747
NORTHEAST	7/10/2013	SWITZER CANYON	13	UNDERGROUND CABLE	02:09PM	02:15PM	06:35PM	1403	4153
NORTHEAST	7/13/2013	SWITZER CANYON	13	UNDERGROUND CABLE	05:44AM	07:36AM	07:43AM	3958	2091
NORTHEAST	7/14/2013	SNOWFLAKE	14	WEATHER - STORM RELATED	03:26PM	03:57PM	04:40PM	2297	1890
NORTHWEST	7/14/2013	WHITE SPAR	10	WEATHER - STORM RELATED	12:00PM	03:35PM	03:35PM	1226	342
SOUTHEAST	7/8/2013	FAIRVIEW	6	WEATHER - STORM RELATED	10:46PM	12:17AM (7/9/2013)	06:37AM (7/9/2013)	4845	1370
SOUTHEAST	7/9/2013	KEARNY	2	LOSS OF OTHER UTILITY SUPPLY	01:25PM	03:12PM	03:12PM	1667	935
SOUTHEAST	7/10/2013	PALOMINAS	4	WEATHER - STORM RELATED	09:33PM	12:04AM (07/11/2013)	03:15PM (7/11/2013)	1723	417
SOUTHEAST	7/11/2013	BOOTHILL	1	WEATHER - STORM RELATED	12:49AM	09:17AM	09:17AM	8424	995
SOUTHEAST	7/11/2013	PINAL	1	EQUIPMENT FAILURE	08:21AM	09:46AM	10:06AM	1359	947
SOUTHEAST	7/14/2013	COOLIDGE-APS	1	WEATHER - STORM RELATED	07:21PM	09:30PM	09:30PM	1797	836
SOUTHWEST	7/10/2013	LAGUNA	13	WEATHER - STORM RELATED	02:37AM	05:07AM	05:07AM	1963	785

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

07/15/2013 - 07/21/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	7/15/2013	PALM VALLEY	2	EQUIPMENT FAILURE	05:11PM	06:01PM	12:02AM (07/16/2013)	1110	1325
METRO	7/19/2013	NEW RIVER	10	SUBSTATION - STORM RELATED	09:36PM	10:18PM	10:18PM	1055	1507
METRO	7/20/2013	DEER VALLEY	14	FOREIGN INTERFERENCE	04:19AM	05:18AM	08:24AM	1923	1839
METRO	7/20/2013	SHAW	15	EQUIPMENT FAILURE - STORM RELATED	08:08PM	08:25PM	09:39PM	1221	3098
METRO	7/20/2013	DESERT RIDGE	6	EQUIPMENT FAILURE	11:49PM	07:50AM (07/21/2013)	10:45AM (07/21/2013)	1421	174
NORTHEAST	7/15/2013	WINSLOW	2	WEATHER - STORM RELATED	06:29PM	08:10PM	08:10PM	3474	2064
NORTHEAST	7/16/2013	SHUMWAY	6	EQUIPMENT FAILURE	04:41AM	06:10AM	10:13AM	1616	366
NORTHEAST	7/18/2013	WINSLOW	2	WEATHER - STORM RELATED	06:59PM	07:36PM	07:36PM	1273	2064
NORTHEAST	7/19/2013	TONTO	1	WEATHER - STORM RELATED	08:48PM	03:20AM	03:20AM	1019	156
NORTHEAST	7/20/2013	TONTO	14	WEATHER - LIGHTNING	05:14PM	02:41AM (07/21/2013)	02:41AM (07/21/2013)	3497	370
NORTHEAST	7/20/2013	TONTO	12	WEATHER - STORM RELATED	05:47PM	09:34PM	09:34PM	1177	311
NORTHWEST	7/15/2013	WHITE SPAR	12	WEATHER - LIGHTNING	01:22PM	05:40PM	05:40PM	1475	343
NORTHWEST	7/15/2013	BAGDAD	4	TRANSMISSION RELATED	01:40PM	01:51AM (07/16/2013)	01:51AM (07/16/2013)	11720	962
NORTHWEST	7/20/2013	DELANO	10	EQUIPMENT FAILURE	02:53PM	04:12PM	09:22PM	3546	2045
NORTHWEST	7/20/2013	CORDES	2	WEATHER - STORM RELATED	05:47PM	02:58AM (07/21/2013)	02:58AM (07/21/2013)	3260	355
NORTHWEST	7/20/2013	COPPER CANYON	6	WEATHER - STORM RELATED	05:56PM	06:55PM	06:55PM	1014	1031

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)



# 1000 HOUR CUSTOMER OUTAGE REPORT

07/22/2013-07/28/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	7/22/2013	CACTUS	36	EQUIPMENT FAILURE	08:13AM	08:56AM	10:59AM	1289	1067
METRO	7/24/2013	SARIVAL	12	FOREIGN INTERFERENCE	01:44PM	02:37PM	04:59PM	1401	1385
NORTHEAST	7/26/2013	SANDVIG	4	WEATHER - LIGHTNING	06:10PM	08:08PM	08:08PM	2624	1334
NORTHEAST	7/26/2013	PREACHER CANYON	2	WEATHER - LIGHTNING	10:01PM	12:33AM 07/27/2013	12:33AM 07/27/2013	1084	428
NORTHEAST	7/27/2013	SNOWFLAKE	14	WEATHER STORM RELATED	05:40PM	06:20PM	06:20PM	1260	1890
NORTHEAST	7/27/2013	ELDEN	1	WEATHER STORM RELATED	06:34PM	09:56PM	09:56PM	3511	1043
NORTHEAST	7/28/2013	WINSLOW	2	WEATHER STORM RELATED	05:58PM	06:46PM	06:46PM	1651	2064
SOUTHEAST	7/24/2013	FAIRVIEW	3	WEATHER STORM RELATED	05:19PM	05:21AM 07/25/2013	05:21AM 07/25/2013	2298	191
SOUTHWEST	7/25/2013	VICKSBURG	4	WEATHER STORM RELATED	07:57PM	11:59PM	10:48AM 07/26/2013	1205	288

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

07/22/2013-07/28/2013 Revised

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	7/22/2013	CACTUS	36	WEATHER - STORM RELATED	08:13AM	08:56AM	10:59AM	1289	1067
METRO	7/24/2013	SARIVAL	12	FOREIGN INTERFERENCE	01:44PM	02:37PM	04:59PM	1401	1385
NORTHEAST	7/26/2013	SANDVIG	4	WEATHER - LIGHTNING	06:10PM	08:08PM	08:08PM	2624	1334
NORTHEAST	7/26/2013	PREACHER CANYON	2	WEATHER - LIGHTNING	10:01PM	12:33AM	12:33AM	1084	428
NORTHEAST	7/27/2013	SNOWFLAKE	14	WEATHER STORM RELATED	05:40PM	06:20PM	06:20PM	1260	1890
NORTHEAST	7/27/2013	ELDEN	1	WEATHER STORM RELATED	06:34PM	09:56PM	09:56PM	3511	1043
NORTHEAST	7/28/2013	WINSLOW	2	WEATHER STORM RELATED	05:58PM	06:46PM	06:46PM	1651	2064
SOUTHEAST	7/24/2013	FAIRVIEW	3	WEATHER STORM RELATED	05:19PM	05:21AM	05:21AM	2298	191
SOUTHWEST	7/25/2013	VICKSBURG	4	WEATHER STORM RELATED	07:57PM	11:59PM	10:48AM	1205	288

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

07/29/2013-08/04/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	8/3/2013	RAINBOW VALLEY	1	TRANSMISSION RELATED - STORM	07:26PM	11:20PM	05:39PM (08/04/2013)	1421	139
METRO	8/4/2013	VALENCIA	10	INTERFERENCE - FOREIGN BIRDS	05:07AM	06:05AM	12:53PM	1350	1142
NORTHEAST	8/2/2013	SWITZER CANYON	13	UNDERGROUND CABLE	08:36AM	08:37AM	09:55AM	1053	5729
SOUTHEAST	8/1/2013	DON LUIS	1	EQUIPMENT FAILURE - STORM	09:23AM	10:13AM	02:10PM	1264	858
SOUTHWEST	8/1/2013	TENTH ST. (YUMA)	9	RELATED FOREIGN INTERFERENCE - VEHICLE	05:54AM	06:53AM	09:30AM	1759	968

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

07/29/2013-08/04/2013 Revised

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	8/3/2013	RAINBOW VALLEY	1	TRANSMISSION RELATED - STORM	07:26PM	11:20PM	05:39PM (08/04/2013)	1421	139
METRO	8/4/2013	VALENCIA	10	INTERFERENCE - BIRDS	05:07AM	06:05AM	12:53PM	1350	1142
NORTHEAST	8/2/2013	SWITZER CANYON	13	UNDERGROUND CABLE	08:36AM	08:43AM	10:12AM	2018	1736
SOUTHEAST	8/1/2013	DON LUIS	1	EQUIPMENT FAILURE - STORM RELATED	09:23AM	10:13AM	02:10PM	1264	858
SOUTHWEST	8/1/2013	TENTH ST. (YUMA)	9	FOREIGN INTERFERENCE - VEHICLE	05:54AM	06:53AM	09:30AM	1759	968

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.A.C. R.14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

08/05/2013-08/11/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Commit**
METRO	8/6/2013	CHAPARRAL	10	FOREIGN INTERFERENCE - VEHICLE	09:36AM	10:27AM	10:31AM	1131	1288
METRO	8/7/2013	GAVILAN PEAK	41	WEATHER - WIND	03:47PM	04:21PM	04:53PM	1293	1652
METRO	8/9/2013	DYSART	17	UNDERGROUND CABLE	10:03PM	10:45PM	01:37AM (08/10/2013)	1935	1705
METRO	8/11/2013	MARINETTE	18	FOREIGN INTERFERENCE - BIRDS	05:28PM	05:47PM	06:09PM	1371	2271
NORTHEAST	8/5/2013	SWITZER CANYON	13	UNDERGROUND CABLE	11:11AM	12:10PM	02:53PM	3625	2091
SOUTHWEST	8/9/2013	HAVASU	1	FOREIGN INTERFERENCE - VEHICLE	12:11PM	03:34PM	03:34PM	2351	695
SOUTHWEST	8/9/2013	HAVASU	2	FOREIGN INTERFERENCE - VEHICLE	12:11PM	03:35PM	03:35PM	1387	408
SOUTHWEST	8/9/2013	HAVASU	9	FOREIGN INTERFERENCE - VEHICLE	12:11PM	03:36PM	03:36PM	1148	336
SOUTHWEST	8/9/2013	QUARTZSITE	2	FOREIGN INTERFERENCE - VEHICLE	12:11PM	01:17PM	01:17PM	1033	939
SOUTHWEST	8/9/2013	QUARTZSITE	6	FOREIGN INTERFERENCE - VEHICLE	12:11PM	01:17PM	01:17PM	1472	1338
SOUTHWEST	8/9/2013	HAVASU	1	TRANSMISSION RELATED	03:39PM	05:49PM	05:49PM	1506	695

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

08/05/2013-08/11/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off	Customer Count**
SOUTHWEST	8/9/2013	QUARTZSITE	2	TRANSMISSION RELATED	03:39PM	05:41PM	05:41PM	1909	939
SOUTHWEST	8/9/2013	QUARTZSITE	6	TRANSMISSION RELATED	03:39PM	05:41PM	05:41PM	2721	1338

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.C. R-14-2-201 (2)

# 1000 HOUR CUSTOMER OUTAGE REPORT

08/05/2013-08/11/2013 REVISED

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	8/6/2013	CHAPARRAL	10	FOREIGN INTERFERENCE - VEHICLE	09:36AM	10:27AM	10:31AM	1131	1288
METRO	8/7/2013	GAVILAN PEAK	41	WEATHER - WIND	03:47PM	04:21PM	04:53PM	1293	1652
METRO	8/9/2013	DYSART	17	UNDERGROUND CABLE	10:03PM	10:45PM	01:37AM (08/10/2013)	1935	1705
METRO	8/11/2013	MARINETTE	18	FOREIGN INTERFERENCE - BIRDS	05:28PM	05:47PM	06:02PM	1232	2271
NORTHEAST	8/5/2013	SWITZER CANYON	13	UNDERGROUND CABLE	11:11AM	12:10PM	02:53PM	3625	2091
SOUTHWEST	8/9/2013	HAVASU	1	FOREIGN INTERFERENCE - VEHICLE	12:11PM	03:34PM	03:34PM	2351	695
SOUTHWEST	8/9/2013	HAVASU	2	FOREIGN INTERFERENCE - VEHICLE	12:11PM	03:35PM	03:35PM	1387	408
SOUTHWEST	8/9/2013	HAVASU	9	FOREIGN INTERFERENCE - VEHICLE	12:11PM	03:36PM	03:36PM	1148	336
SOUTHWEST	8/9/2013	QUARTZSITE	2	FOREIGN INTERFERENCE - VEHICLE	12:11PM	01:17PM	01:17PM	1033	939
SOUTHWEST	8/9/2013	QUARTZSITE	6	FOREIGN INTERFERENCE - VEHICLE	12:11PM	01:17PM	01:17PM	1472	1338
SOUTHWEST	8/9/2013	HAVASU	1	TRANSMISSION RELATED	03:39PM	05:49PM	05:49PM	1506	695

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

08/05/2013-08/11/2013 REVISED

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
SOUTHWEST	8/9/2013	QUARTZSITE	2	TRANSMISSION					
				RELATED	03:39PM	05:41PM	05:41PM	1909	939
SOUTHWEST	8/9/2013	QUARTZSITE	6	TRANSMISSION					
				RELATED	03:39PM	05:41PM	05:41PM	2721	1338

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.C. R-14-2-201 (9)



# 1000 HOUR CUSTOMER OUTAGE REPORT

8/12/2013-8/18/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	8/17/2013	MEADOWBROOK	1	EQUIPMENT FAILURE - STORM	02:28PM	04:03PM	04:03PM	2019	1275
METRO	8/17/2013	ARROYO	6	EQUIPMENT FAILURE - STORM	08:31PM	11:46PM	11:46PM	1037	319
METRO	8/17/2013	VALENCIA	5	EQUIPMENT FAILURE - STORM	08:34PM	09:14PM	02:45AM 08/18/2013	1722	1590
METRO	8/17/2013	TURF	14	VEGETATION CONTACT - STORM	08:38PM	09:38PM	05:50AM 08/18/2013	2416	1634
NORTHEAST	8/14/2013	ELDEN	12	FOREIGN INTERFERENCE - VEHICLE	05:02PM	07:12PM	04:27AM 08/15/2013	16684	1845
NORTHWEST	8/13/2013	QUAIL SPRINGS	2	EQUIPMENT FAILURE	01:50AM	05:30AM	05:30AM	4433	1209
NORTHWEST	8/16/2013	KIRKLAND JCTN	10	WEATHER - STORM	01:31PM	07:26PM	07:26PM	1994	337
SOUTHWEST	8/14/2013	QUARTZSITE	2	SUBSTATION RELATED	02:22PM	03:26PM	03:26PM	1002	939
SOUTHWEST	8/14/2013	QUARTZSITE	6	SUBSTATION RELATED	02:22PM	03:26PM	03:26PM	1427	1338

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

08/19/2013-08/25/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	8/19/2013	MONTE CRISTO	6	UNDERGROUND	02:46AM	03:40AM	04:23AM	2139	1445
METRO	8/24/2013	DALE	2	UNDERGROUND	12:53PM	01:36PM	03:24PM	1537	808
NORTHEAST	8/25/2013	MUNDS PARK	5	VEGETATION	06:54AM	02:33PM	02:33PM	1461	191
SOUTHWEST	8/22/2013	QUARTZSITE	2	WEATHER - STORM RELATED	02:07PM	03:07PM	12:40PM	1005	811
SOUTHWEST	8/22/2013	ARABY	4	WEATHER - STORM RELATED	04:40PM	10:20PM	11:00PM	28980	2699
SOUTHWEST	8/22/2013	MARINE AIR BASE	14	WEATHER - STORM RELATED	04:45PM	09:03PM	09:38PM	2101	433
SOUTHWEST	8/22/2013	IVALON	10	WEATHER - STORM RELATED	05:15PM	07:01PM	09:51AM	19236	535
SOUTHWEST	8/22/2013	COCOPAH	13	WEATHER - STORM RELATED	06:24PM	11:12PM	02:25AM	9749	2031
SOUTHWEST	8/22/2013	QUECHAN	22	WEATHER - STORM RELATED	06:26PM	09:40PM	02:00AM	2621	802
SOUTHWEST	8/22/2013	LAGUNA	13	WEATHER - STORM RELATED	06:46PM	09:29PM	05:20PM	2177	785
SOUTHWEST	8/22/2013	COCOPAH	1	EQUIPMENT	07:02PM	06:35AM	11:04AM	4730	368
SOUTHWEST	8/22/2013	IVALON	6	WEATHER - STORM RELATED	07:46PM	10:00PM	01:05PM	3756	1682
SOUTHWEST	8/24/2013	SAN LUIS	1	EQUIPMENT	06:47PM	08:30PM	04:10PM	4862	665

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

08/19/2013-08/25/2013 REVISED

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	8/19/2013	MONTE CRISTO	6	UNDERGROUND CABLE	02:46AM	03:40AM	04:23AM	2139	1445
METRO	8/24/2013	DALE	2	UNDERGROUND CABLE	12:53PM	01:36PM	03:24PM	1355	808
NORTHEAST	8/25/2013	MUNDS PARK	5	VEGETATION CONTACT	06:54AM	02:33PM	02:33PM	1461	191
SOUTHWEST	8/22/2013	QUARTZSITE	2	WEATHER - STORM RELATED	02:07PM	03:07PM	12:40PM	1005	811
SOUTHWEST	8/22/2013	ARABY	4	WEATHER - STORM RELATED	04:40PM	10:20PM	11:00PM	28980	2699
SOUTHWEST	8/22/2013	MARINE AIR BASE	14	WEATHER - STORM RELATED	04:45PM	09:03PM	09:38PM	2101	433
SOUTHWEST	8/22/2013	IVALON	10	WEATHER - STORM RELATED	05:15PM	07:01PM	09:51AM	19236	535
SOUTHWEST	8/22/2013	COCOPAH	13	WEATHER - STORM RELATED	06:24PM	11:12PM	02:25AM	10820	2031
SOUTHWEST	8/22/2013	QUECHAN	22	WEATHER - STORM RELATED	06:26PM	09:40PM	02:00AM	2621	802
SOUTHWEST	8/22/2013	LAGUNA	13	WEATHER - STORM RELATED	06:46PM	09:29PM	05:20PM	2177	785
SOUTHWEST	8/22/2013	COCOPAH	1	EQUIPMENT FAILURE - STORM	07:02PM	06:35AM	11:04AM	4730	368
SOUTHWEST	8/22/2013	IVALON	6	WEATHER - STORM RELATED	07:46PM	10:00PM	01:05PM	5319	1682
SOUTHWEST	8/24/2013	SAN LUIS	1	EQUIPMENT FAILURE - STORM	06:47PM	08:30PM	04:10PM	4360	665
SOUTHWEST	8/22/2013	LAGUNA	1	EQUIPMENT FAILURE - STORM	06:36PM	10:28PM	03:57AM	1134	275

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.C. E-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

8/26/2013-9/1/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	8/26/2013	CHANDLER	13	UNKNOWN-OTHER (Weather - Storm Related)	12:02AM	04:22AM	04:22AM	9065	2092
METRO	8/26/2013	TEMPE	14	WEATHER - STORM RELATED	06:49PM	08:00PM	10:43PM	3017	2508
METRO	8/26/2013	ARROYO	6	WEATHER - STORM RELATED	06:56PM	07:38PM	07:51PM	1324	1619
METRO	8/26/2013	23RD ST. (PHOENIX)	20	WEATHER - STORM RELATED	07:00PM	07:46PM	08:53PM	1470	1283
METRO	8/26/2013	GRISWOLD	6	WEATHER - STORM RELATED	07:04PM	08:47PM	09:47PM	3316	1693
METRO	8/26/2013	COLTER	4	UNKNOWN-OTHER (Weather - Storm Related)	07:15PM	08:48PM	08:48PM	1744	1125
METRO	8/26/2013	VALENCIA	5	WEATHER - STORM RELATED	07:23PM	08:50PM	08:50PM	2306	1590
METRO	8/26/2013	VALENCIA	12	TRANSMISSION RELATED - STORM	07:31PM	08:51PM	08:51PM	1301	976
METRO	8/26/2013	HEARN	9	WEATHER-STORM RELATED	07:38PM	08:18PM	08:18PM	1222	1880
METRO	8/26/2013	HEARN	12	WEATHER-STORM RELATED	07:38PM	08:18PM	08:18PM	1114	1671
METRO	8/26/2013	VARNEY	4	WEATHER - STORM RELATED	08:08PM	10:43PM	03:30AM (8/27/2013)	2546	939
METRO	8/28/2013	WADDELL	17	WEATHER - STORM RELATED	07:40PM	08:51PM	11:01PM	1280	922
METRO	8/28/2013	HEARN	12	UNKNOWN-OTHER (Weather - Storm Related)	07:44PM	08:41PM	09:08PM	2169	1671
METRO	8/28/2013	PALM VALLEY	13	WEATHER - STORM RELATED	07:48PM	12:12AM (8/29/2013)	12:12AM (8/29/2013)	3159	718
METRO	8/28/2013	WINTERSBURG	12	WEATHER - STORM RELATED	09:29PM	11:04PM	02:08AM (8/29/2013)	3676	1423

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a charge greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

8/26/2013-9/1/2013 REVISED

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	8/26/2013	CHANDLER	13	UNKNOWN-OTHER (Weather - Storm Related)	12:02AM	04:22AM	04:22AM	9065	2092
METRO	8/26/2013	TEMPE	14	WEATHER - STORM RELATED	06:49PM	08:00PM	10:43PM	3017	2508
METRO	8/26/2013	ARROYO	6	WEATHER - STORM RELATED	06:56PM	07:38PM	07:51PM	1324	1619
METRO	8/26/2013	23RD ST. (PHOENIX)	20	WEATHER - STORM RELATED	07:00PM	07:46PM	08:53PM	1470	1283
METRO	8/26/2013	GRISWOLD	6	WEATHER - STORM RELATED	07:04PM	08:47PM	09:47PM	3316	1693
METRO	8/26/2013	COLTER	4	UNKNOWN-OTHER (Weather - Storm Related)	07:15PM	08:48PM	08:48PM	1744	1125
METRO	8/26/2013	VALENCIA	5	WEATHER - STORM RELATED	07:23PM	08:50PM	08:50PM	2306	1590
METRO	8/26/2013	VALENCIA	12	TRANSMISSION RELATED - STORM	07:31PM	08:51PM	08:51PM	1301	976
METRO	8/26/2013	HEARN	9	WEATHER-STORM RELATED	07:38PM	08:18PM	08:18PM	1222	1880
METRO	8/26/2013	HEARN	12	WEATHER-STORM RELATED	07:38PM	08:18PM	08:18PM	1114	1671
METRO	8/26/2013	VARNEY	4	WEATHER - STORM RELATED	08:08PM	10:43PM	03:30AM (8/27/2013)	2546	939
METRO	8/28/2013	WADDELL	17	WEATHER - STORM RELATED	07:40PM	08:51PM	11:01PM	1280	922
METRO	8/28/2013	HEARN	12	UNKNOWN-OTHER (Weather - Storm Related)	07:44PM	08:41PM	09:08PM	2169	1671
METRO	8/28/2013	PALM VALLEY	13	WEATHER - STORM RELATED	07:48PM	12:12AM (8/29/2013)	12:12AM (8/29/2013)	3159	718
METRO	8/28/2013	WINTERSBURG	12	WEATHER - STORM RELATED	09:29PM	11:04PM	02:08AM (8/29/2013)	3676	1423

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

8/26/2013-9/1/2013 REVISED

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
NORTHWEST	8/26/2013	MORRISTOWN	2	WEATHER - STORM RELATED	08:24PM	10:47PM	10:47PM	1409	591
NORTHWEST	8/26/2013	KIRKLAND JCTN	10	VEGETATION CONTACT (Storm)	09:36PM	11:54PM	02:44AM (8/27/2013)	1571	337
NORTHWEST	8/30/2013	HAYFIELD DRAW	2	SUBSTATION RELATED- STORM	04:10PM	07:32PM	10:54PM	7666	985
SOUTHEAST	8/26/2013	TOLTEC	2	WEATHER - STORM RELATED	05:31PM	08:15PM	10:17PM	1808	509
SOUTHEAST	8/26/2013	CASA GRANDE- APS	8	WEATHER - STORM RELATED	05:45PM	07:08PM	07:08PM	1544	1116
SOUTHWEST	8/26/2013	COCOPAH	1	WEATHER - STORM RELATED	05:11AM	06:04AM	07:17PM	7808	1785
SOUTHWEST	8/28/2013	SALOME	1	UNKNOWN-OTHER (Weather - Storm Related)	10:21PM	02:38AM (8/29/2013)	03:41AM (8/29/2013)	1502	350
SOUTHWEST	8/29/2013	UTTING	1	TRANSMISSION RELATED- STORM	05:58PM	08:33PM	08:33PM	2268	878

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

9/2/2013 - 9/8/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	9/3/2013	WESTBROOK	10	EQUIPMENT FAILURE	02:52AM	03:35AM	06:18AM	2345	1808
METRO	9/4/2013	TEMPE	14	EQUIPMENT FAILURE	09:37PM	10:03PM	10:03PM	1006	2322
METRO	9/6/2013	AJO	1	WEATHER - STORM RELATED	04:44PM	05:55PM	09:38AM (9/7/2013)	1950	1112
METRO	9/6/2013	23RD ST. (PHOENIX)	22	WEATHER - STORM RELATED	05:44PM	01:25AM (9/7/2013)	01:25AM (9/7/2013)	1145	149
METRO	9/6/2013	EVANS CHURCHILL	13	WEATHER - STORM RELATED	05:44PM	06:19PM	02:57AM (9/7/2013)	1282	1057
METRO	9/6/2013	INDIANOLA	19	WEATHER - STORM RELATED	06:00PM	06:50PM	12:27AM (9/7/2013)	1085	1160
METRO	9/7/2013	CHAPARRAL	10	INTERFERENCE - ANIMAL FOREIGN	07:04AM	08:26AM	08:26AM	1760	1288
METRO	9/7/2013	RAINTREE	1	INTERFERENCE - ANIMAL FOREIGN	07:04AM	08:25AM	08:31AM	2240	1655
METRO	9/8/2013	ROAD RUNNER	17	SUBSTATION RELATED	11:50AM	12:38PM	12:38PM	1100	1375
NORTHEAST	9/4/2013	MAZATZAL	6	SUBSTATION RELATED- STORM	02:52PM	05:04PM	05:04PM	3472	1578
NORTHEAST	9/7/2013	STRAWBERRY	2	SUBSTATION RELATED- STORM	06:47PM	08:00PM	11:24PM	10455	3628
NORTHWEST	9/5/2013	CAPITAL BUTTE	12	UNDERGROUND CABLE	03:15PM	03:51PM	03:51PM	1103	1839
SOUTHEAST	9/2/2013	PINAL	4	WEATHER - STORM RELATED	02:30PM	04:21PM	05:35AM (9/3/2013)	7325	2231
SOUTHWEST	9/4/2013	ARABY	1	WEATHER - STORM RELATED	08:35AM	09:02AM	12:06PM	2243	2240

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

09/09/2013-09/15/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	9/12/2013	WESTBROOK	10	FOREIGN INTERFERENCE - ANIMAL	06:01PM	06:50PM	07:29PM	1508	1808
NORTHEAST	9/14/2013	COCONINO	14	WEATHER - LIGHTNING RELATED	04:47PM	06:35PM	06:35PM	3872	2151
NORTHWEST	9/13/2013	DELANO	10	EQUIPMENT FAILURE	01:52PM	03:57AM	03:57AM	12914	917
NORTHWEST	9/14/2013	KIRKLAND JCTN	10	WEATHER - LIGHTNING RELATED	06:57PM	03:05AM	03:05AM	4433	545

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.C. E-14-2-201 (9)



# 1000 HOUR CUSTOMER OUTAGE REPORT

09/16/2013-09/22/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	9/19/2013	TEMPE	14	FOREIGN INTERFERENCE - BIRDS	05:36PM	06:32PM	11:13PM	2393	2508

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

## 09/23/2013-09/29/2013

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

# **1000 HOUR CUSTOMER OUTAGE REPORT**

Division	Date	Substation	FDR#	09/30/2013 through 10/06/2013		Time of Outage	Cause	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	09/30/2013	YALE	17	FOREIGN INTERFERENCE - VEHICLE		07:01 AM		08:19 AM	09:16 AM	1583	1210
METRO	10/03/2013	BUFFALO	04	EQUIPMENT FAILURE		10:41 AM		11:17 AM	11:36 AM	1111	1470
SOUTHEAST	09/30/2013	CASA GRANDE-APS	22	SUBSTATION RELATED		08:22 AM		09:01 AM	09:01 AM	1274	1960

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# **1000 HOUR CUSTOMER OUTAGE REPORT**

Division	Date	Substation	FDR#	10/07/2013 through 10/13/2013		Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
NORTHEAST	10/09/2013	SWITZER CANYON	14			EQUIPMENT FAILURE	07:54 AM	09:03 AM	09:03 AM	1312	1141
NORTHEAST	10/11/2013	TONTO	12			FOREIGN INTERFERENCE - VEHICLE	07:40 PM	08:12 PM	1:39 AM (10/12/2013)	2475	2690
NORTHWEST	10/07/2013	SUNDOG	12			UNDERGROUND CABLE	09:36 PM	10:33 PM	11:11 PM	2488	2393
NORTHWEST	10/10/2013	COPPER CANYON	02			WEATHER - STORM RELATED	01:47 PM	02:48 PM	06:21 PM	1197	1163
NORTHWEST	10/10/2013	COPPER CANYON	06			WEATHER - STORM RELATED	01:47 PM	07:28 PM	07:34 PM	12071	2090

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

**10/07/2013-10/13/2013 REVISED**

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
NORTHEAST	10/09/2013	SWITZER CANYON	14	EQUIPMENT FAILURE	07:54 AM	09:03 AM	09:03 AM	1312	1141
NORTHEAST	10/11/2013	TONTO	12	FOREIGN INTERFERENCE - VEHICLE	07:40 PM	08:12 PM	1:39 AM (10/12/2013)	2475	2690
NORTHWEST	10/07/2013	SUNDOG	12	UNDERGROUND CABLE	09:36 PM	10:33 PM	11:11 PM	2488	2393
NORTHWEST	10/10/2013	COPPER CANYON	02	WEATHER - STORM RELATED	01:47 PM	02:48 PM	06:21 PM	1196	1163
NORTHWEST	10/10/2013	COPPER CANYON	06	WEATHER - STORM RELATED	01:47 PM	07:28 PM	07:34 PM	11276	1950

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Omega data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*\* Based on the definition of "Customer" contained in A.C.R. 14-2-201(9)

# **1000 HOUR CUSTOMER OUTAGE REPORT**

Division	Date	Substation	10/14/13 through 10/20/13		Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
			FDR#	Cause				
METRO	10/18/13	COUNTRY CLUB	21	EQUIPMENT FAILURE - APS	8:16 PM	10:32 PM	1688	1421
NORTHEAST	10/19/13	COCONINO	12	UNDERGROUND CABLE	8:47 PM	3:00 AM 10/20/2013	12092	4990

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# **1000 HOUR CUSTOMER OUTAGE REPORT**

Division	Date	Substation	FDR#	Cause	10/21/2013 through 10/27/2013	
					Time of Outage	Time of First Restoration
METRO	10/21/2013	BUFFALO	14	FOREIGN INTERFERENCE - VEHICLE	11:28 AM	12:02 PM
						05:36 PM
						1402
						2256
METRO	10/23/2013	CHANDLER	01	FOREIGN INTERFERENCE - VEHICLE	10:25 PM	11:28 PM
						11:28 PM
						2927
						1944
METRO	10/25/2013	23RD ST. (PHOENIX)	20	FOREIGN INTERFERENCE - VEHICLE	06:11 PM	07:32 PM
						07:43 PM
						1732
						1283

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage time is reported monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

10/21/2013-10/27/2013 REVISED

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

Attachment A  
Page 62 of 77



# **1000 HOUR CUSTOMER OUTAGE REPORT**

Division	Date	Substation	10/28/2013 through 11/03/2013		FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	10/31/2013	ORANGEWOOD	14	FOREIGN INTERFERENCE			06:11 AM	06:50 AM	12:29 PM	2175	1144
METRO	11/01/2013	GAVILAN PEAK	41	EQUIPMENT FAILURE			10:15 AM	10:29 AM	01:19 PM	1875	1639

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reported monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be re-submitted.

\*\*Based on the definition of "Customer" contained in A.A.C.E-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT REVISED

Division	Date	Substation	FDR#	Cause	11/03/2013		Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
					10/28/2013	through				
METRO	10/31/2013	ORANGEWOOD	14	FOREIGN INTERFERENCE	06:11 AM		06:50 AM	12:29 PM	2175	1144
METRO	11/01/2013	GAVILAN PEAK	41	EQUIPMENT FAILURE	10:15 AM		10:29 AM	01:19 PM	1875	1639
NORTHWEST	11/02/2013	SEDONA	02	FOREIGN INTERFERENCE - ANIMAL	01:00 AM		04:28 AM	04:28 AM	9027	2604
NORTHWEST	11/02/2013	SEDONA	06	FOREIGN INTERFERENCE - ANIMAL	01:00 AM		02:28 AM	02:28 AM	2345	1599

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

11/04/2013-11/10/2013

Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	11/4/2013	WADDELL	13	WEATHER - STORM RELATED	07:55PM	08:52PM	08:52PM	1241	1306
METRO	11/9/2013	ENCANTO	9	FOREIGN INTERFERENCE - VEHICLE	04:12AM	05:00AM	12:55PM	2353	1159
METRO	11/10/2013	SUNNYSLOPE	17	FOREIGN INTERFERENCE - ANIMAL	01:11PM	01:36PM	02:05PM	1212	1587

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\* Based on the definition of "Customer" contained in A.C. R-14-2-201 (9)

# **1000 HOUR CUSTOMER OUTAGE REPORT**

Division	Date	Substation	FDR#	11/11/2013 through 11/17/2013		Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
NORTHWEST	11/11/2013	COPPER CANYON	02	EQUIPMENT FAILURE			08:32 AM	10:30 AM	10:30 AM	1152	586

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.C.E. 14.2-201 (9)

# **1000 HOUR CUSTOMER OUTAGE REPORT**

11/18/2013 through 11/24/2013											
Division	Date	Substation	FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**		
METRO	11/18/2013	DOVE VALLEY	04	UNDERGROUND CABLE	11/18/2013 08:43 AM	11/18/2013 09:19 AM	11/18/2013 03:49 PM	1500	1428		
METRO	11/20/2013	CACTUS	34	FOREIGN INTERFERENCE - ANIMAL	11/20/2013 08:13 AM	11/20/2013 08:48 AM	11/20/2013 01:02 PM	1265	950		
METRO	11/21/2013	MCDOWELL	20	EQUIPMENT FAILURE - STORM	11/21/2013 10:05 PM	11/21/2013 10:25 PM	11/21/2013 11:45 PM	1555	1624		
METRO	11/21/2013	SUNNYSLOPE	21	EQUIPMENT FAILURE - STORM	11/21/2013 11:29 PM	11/22/2013 12:07 AM	11/22/2013 04:35 AM	2468	1785		
METRO	11/21/2013	RAWHIDE	06	EQUIPMENT FAILURE - STORM	11/21/2013 11:39 PM	11/22/2013 01:15 AM	11/22/2013 03:09 AM	1399	866		
METRO	11/22/2013	CENTURY	18	EQUIPMENT FAILURE - STORM	11/22/2013 03:41 AM	11/22/2013 05:05 AM	11/22/2013 05:05 AM	1471	1051		
METRO	11/22/2013	GRISWOLD	06	EQUIPMENT FAILURE - STORM	11/22/2013 06:40 AM	11/22/2013 07:39 AM	11/22/2013 07:39 AM	1636	1664		
METRO	11/22/2013	BUFFALO	01	EQUIPMENT FAILURE - STORM	11/22/2013 11:24 AM	11/22/2013 12:26 PM	11/22/2013 02:41 PM	2773	2172		
METRO	11/22/2013	CHANDLER	13	WEATHER STORM RELATED	11/22/2013 05:29 PM	11/23/2013 12:20 AM	11/23/2013 12:20 AM	1829	267		

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.A.C.P-14-2-201 (9)

# **1000 HOUR CUSTOMER OUTAGE REPORT**

Division	Date	Substation	FDR#	Cause	11/18/2013 through 11/24/2013		Customer Hours Off*	Customer Count**
					Time of Outage	Time of First Restoration		
METRO	11/22/2013	SURPRISE	21	WEATHER STORM RELATED	11/22/2013 08:12 PM	11/22/2013 09:39 PM	1079	744
METRO	11/22/2013	MOUNTAIN VIEW	12	UNDERGROUND CABLE	11/22/2013 09:31 PM	11/22/2013 10:51 PM	3016	1745
METRO	11/22/2013	SURPRISE	21	EQUIPMENT FAILURE - STORM	11/22/2013 11:39 PM	11/23/2013 03:22 AM	2765	744
METRO	11/24/2013	DEER VALLEY	09	EQUIPMENT FAILURE	11/24/2013 05:32 AM	11/24/2013 06:16 AM	1433	1220
NORTHEAST	11/22/2013	BLUERIDGE	12	EQUIPMENT FAILURE - STORM	11/22/2013 06:58 AM	11/22/2013 10:32 AM	14410	1598
NORTHEAST	11/22/2013	COCONINO	12	WEATHER STORM RELATED	11/22/2013 10:58 AM	11/22/2013 04:34 PM	2727	487
NORTHEAST	11/23/2013	MAZATZAL	06	EQUIPMENT FAILURE - STORM	11/23/2013 11:20 AM	11/23/2013 03:32 PM	1420	338
NORTHEAST	11/24/2013	MAZATZAL	06	WEATHER STORM RELATED	11/24/2013 07:35 AM	12/10/2013 03:54 PM	2746	7
NORTHEAST	11/24/2013	MT. FLOYD	01	EQUIPMENT FAILURE - STORM	11/24/2013 10:37 PM	11/25/2013 07:40 AM	1303	144

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.A.C. R.14-2-201 (9)

# **1000 HOUR CUSTOMER OUTAGE REPORT**

Division	Date	Substation	11/18/2013 through 11/24/2013		FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
SOUTHWEST	11/19/2013	BLUEWATER	02	FOREIGN INTERFERENCE - BIRDS			11/19/2013 12:38 AM	11/19/2013 03:30 AM	11/19/2013 03:30 AM	2686	937

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# **1000 HOUR CUSTOMER OUTAGE REPORT**

Division	Date	Substation	FDR#	Cause	11/25/2013 through 12/01/2013		Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
					Time of Outage					
METRO	11/25/2013	BELL	09	SUBSTATION RELATED	11/25/2013 02:31 AM		11/25/2013 07:53 AM	11/25/2013 07:53 AM	5957	1110
METRO	11/25/2013	BELL	10	SUBSTATION RELATED	11/25/2013 02:31 AM		11/25/2013 04:42 AM	11/25/2013 04:42 AM	3046	1395
METRO	11/25/2013	BELL	21	SUBSTATION RELATED	11/25/2013 02:31 AM		11/25/2013 07:14 AM	11/25/2013 07:14 AM	4448	943
METRO	11/25/2013	BELL	22	SUBSTATION RELATED	11/25/2013 02:31 AM		11/25/2013 07:20 AM	11/25/2013 07:20 AM	2553	530
METRO	11/25/2013	ARROWHEAD	02	EQUIPMENT FAILURE	11/25/2013 10:28 AM		11/25/2013 11:32 AM	11/25/2013 12:10 PM	2313	2132
METRO	11/26/2013	DALE	13	UNDERGROUND CABLE	11/26/2013 04:39 PM		11/26/2013 05:50 PM	11/26/2013 09:30 PM	3116	1085
METRO	11/28/2013	ORANGEWOOD	29	EQUIPMENT FAILURE	11/28/2013 09:32 AM		11/28/2013 10:04 AM	11/28/2013 02:41 PM	1323	1416
METRO	11/30/2013	AJO	01	TRANSMISSION RELATED	11/30/2013 10:43 PM		11/30/2013 11:49 PM	11/30/2013 11:49 PM	1223	1112

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)



# **1000 HOUR CUSTOMER OUTAGE REPORT REVISED**

Division	Date	Substation	FDR#	11/25/2013 through 12/01/2013		Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	11/25/2013	BELL	09	SUBSTATION RELATED	11/25/2013 02:31 AM	11/25/2013 04:45 AM	11/25/2013 04:45 AM	11/25/2013 04:45 AM	2472	1110	
METRO	11/25/2013	BELL	10	SUBSTATION RELATED	11/25/2013 02:31 AM	11/25/2013 04:42 AM	11/25/2013 04:42 AM	11/25/2013 04:42 AM	3046	1395	
METRO	11/25/2013	BELL	21	SUBSTATION RELATED	11/25/2013 02:31 AM	11/25/2013 05:14 AM	11/25/2013 05:14 AM	11/25/2013 05:14 AM	2562	943	
METRO	11/25/2013	BELL	22	SUBSTATION RELATED	11/25/2013 02:31 AM	11/25/2013 05:14 AM	11/25/2013 05:14 AM	11/25/2013 05:14 AM	1440	530	
METRO	11/25/2013	ARROWHEAD	02	EQUIPMENT FAILURE	11/25/2013 10:28 AM	11/25/2013 11:32 AM	11/25/2013 11:32 AM	11/25/2013 12:10 PM	2313	2132	
METRO	11/26/2013	DALE	13	UNDERGROUND CABLE	11/26/2013 04:39 PM	11/26/2013 05:50 PM	11/26/2013 05:50 PM	11/26/2013 09:30 PM	3116	1085	
METRO	11/28/2013	ORANGEWOOD	29	EQUIPMENT FAILURE	11/28/2013 09:32 AM	11/28/2013 10:04 AM	11/28/2013 10:04 AM	11/28/2013 02:41 PM	1323	1416	
METRO	11/30/2013	AJO	01	TRANSMISSION RELATED	11/30/2013 10:43 PM	11/30/2013 11:49 PM	11/30/2013 11:49 PM	11/30/2013 11:49 PM	1223	1112	

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.A.C. R.14-2-201 (9)

# **1000 HOUR CUSTOMER OUTAGE REPORT**

Division	Date	Substation	FDR#	12/02/2013 through 12/08/2013		Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
NORTHEAST	12/03/2013	WOODY MOUNTAIN	14			EQUIPMENT FAILURE - APS	12/03/2013 10:16 PM	12/03/2013 10:38 PM	12/03/2013 10:38 PM	1146	3126
NORTHEAST	12/07/2013	SHUMWAY	06			EQUIPMENT FAILURE - STORM	12/07/2013 11:50 AM	12/07/2013 02:03 PM	12/07/2013 07:45 PM	2661	493
SOUTHWEST	12/06/2013	LAGUNA	13			FOREIGN INTERFERENCE - VEHICLE	12/06/2013 10:52 PM	12/07/2013 12:47 AM	12/07/2013 01:58 PM	1887	785

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT REVISED

Division	Date	Substation	FDR#	Cause	12/02/2013 through 12/08/2013		Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
					Time of Outage					
NORTHEAST	12/03/2013	WOODY MOUNTAIN	14	EQUIPMENT FAILURE - APS	12/03/2013 10:16 PM		12/03/2013 10:38 PM	12/03/2013 10:38 PM	1146	3126
NORTHEAST	12/07/2013	SHUMWAY	06	EQUIPMENT FAILURE - STORM	12/07/2013 11:50 AM		12/07/2013 02:03 PM	12/07/2013 05:52 PM	2303	493
SOUTHWEST	12/06/2013	LAGUNA	13	FOREIGN INTERFERENCE - VEHICLE	12/06/2013 10:52 PM		12/07/2013 12:47 AM	12/07/2013 01:58 PM	1887	785

# 1000 HOUR CUSTOMER OUTAGE REPORT

Division	Date	Substation	12/09/2013 through 12/15/2013		FDR#	Cause	Time of Outage	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	12/10/2013	MEADOWBROOK	06	EQUIPMENT FAILURE	12/10/2013 08:11 PM	12/10/2013 09:04 PM	12/10/2013 09:08 PM	1830	2016		
METRO	12/13/2013	FILLMORE	04	EQUIPMENT FAILURE	12/13/2013 11:19 AM	12/13/2013 01:37 PM	12/13/2013 01:37 PM	1902	827		
NORTHEAST	12/10/2013	KEAMS CANYON	03	EQUIPMENT FAILURE	12/10/2013 06:43 AM	12/10/2013 05:55 PM	12/10/2013 05:55 PM	1120	100		
NORTHEAST	12/14/2013	TONTO	14	VEGETATION CONTACT - STORM	12/14/2013 08:51 AM	12/14/2013 10:25 AM	12/14/2013 12:42 PM	1182	463		
NORTHWEST	12/09/2013	DEWEY	02	EQUIPMENT FAILURE	12/09/2013 04:09 AM	12/09/2013 08:50 AM	12/09/2013 08:50 AM	3232	690		

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT

Division	Date	Substation	FDR#	Cause	12/16/2013 through 12/22/2013		Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
					Time of Outage					
METRO	12/16/2013	23RD ST. (PHOENIX)	21	FOREIGN INTERFERENCE - VEHICLE	12/16/2013 12:41 AM		12/16/2013 02:22 AM	12/16/2013 10:22 AM	4704	1201
METRO	12/20/2013	SHAW	09	EQUIPMENT FAILURE - STORM	12/20/2013 03:43 AM		12/20/2013 05:12 AM	12/20/2013 10:18 AM	1973	639
METRO	12/20/2013	CAMELBACK	18	EQUIPMENT FAILURE - STORM	12/20/2013 05:39 AM		12/20/2013 07:14 AM	12/20/2013 07:14 AM	1769	1117
METRO	12/22/2013	ORANGEWOOD	33	FOREIGN INTERFERENCE - MYLAR BALLOONS	12/22/2013 09:42 AM		12/22/2013 10:17 AM	12/22/2013 04:07 PM	1510	2098
NORTHWEST	12/17/2013	DELANO	05	FOREIGN INTERFERENCE - ANIMAL	12/17/2013 01:55 AM		12/17/2013 02:35 PM	12/17/2013 02:35 PM	1976	156
NORTHWEST	12/19/2013	COTTONWOOD	14	EQUIPMENT FAILURE - STORM	12/19/2013 09:04 PM		12/20/2013 08:55 AM	12/20/2013 08:55 AM	5376	488

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# 1000 HOUR CUSTOMER OUTAGE REPORT REVISED

Division	Date	Substation	FDR#	Cause	12/16/2013 through 12/22/2013		Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
					Time of Outage					
METRO	12/16/2013	23RD ST. (PHOENIX)	21	FOREIGN INTERFERENCE - VEHICLE	12/16/2013 12:41 AM		12/16/2013 02:22 AM	12/16/2013 10:22 AM	4704	1201
METRO	12/20/2013	SHAW	09	EQUIPMENT FAILURE - STORM	12/20/2013 03:43 AM		12/20/2013 05:12 AM	12/20/2013 10:18 AM	1973	639
METRO	12/20/2013	CAMELBACK	18	EQUIPMENT FAILURE - STORM	12/20/2013 05:39 AM		12/20/2013 07:14 AM	12/20/2013 07:14 AM	1769	1117
METRO	12/22/2013	ORANGEWOOD	33	FOREIGN INTERFERENCE - MYLAR BALLOONS	12/22/2013 09:42 AM		12/22/2013 10:17 AM	12/22/2013 04:07 PM	1510	2098
NORTHWEST	12/19/2013	COTTONWOOD	14	EQUIPMENT FAILURE - STORM	12/19/2013 09:04 PM		12/20/2013 08:55 AM	12/20/2013 08:55 AM	5376	488

# **1000 HOUR CUSTOMER OUTAGE REPORT**

Division	Date	Substation	FDR#	12/23/2013 through 12/29/2013		Time of Outage	Cause	Time of First Restoration	Time of Final Restoration	Customer Hours Off*	Customer Count**
METRO	12/23/2013	WESTWING	18	EQUIPMENT FAILURE	12/23/2013 11:16 AM	12/23/2013 12:29 PM	12/23/2013 01:05 PM	2213	1817		
METRO	12/25/2013	TURF	06	SUBSTATION RELATED	12/25/2013 12:47 PM	12/25/2013 01:32 PM	12/25/2013 01:32 PM	1004	1338		
METRO	12/29/2013	VARNEY	04	FOREIGN INTERFERENCE	12/29/2013 01:34 AM	12/29/2013 02:43 AM	12/29/2013 10:50 AM	1514	929		
SOUTHEAST	12/29/2013	TOLTEC	06	FOREIGN INTERFERENCE	12/29/2013 09:01 AM	12/29/2013 09:59 AM	12/29/2013 10:15 AM	2408	1954		

\*Individual customer hours may vary as portions of the feeder may have been brought on line sequentially. Outage data is reviewed monthly and is subject to change as additional information is received. Any revision resulting in a change greater than 10% in customer hours will be resubmitted.

\*\*Based on the definition of "Customer" contained in A.A.C. R-14-2-201 (9)

# **Attachment B**



# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: JANUARY 2013

Plant and Unit	Outage Start: Date / Time		Outage End: Date / Time		Description (3)
CHOLLA 1	No Outages				
CHOLLA 2	01/08/13	02:19	01/13/13	08:36	Unplanned
	01/31/13	16:45	02/01/13	00:00	Unplanned
CHOLLA 3	No Outages				
FOUR CORNERS 1	01/11/13	05:28	01/15/13	10:05	Unplanned
	01/24/13	02:33	01/24/13	15:30	Unplanned
	01/24/13	22:14	01/26/13	00:00	Unplanned
	01/26/13	00:00	01/28/13	04:00	Unplanned
	01/26/13	04:00	01/27/13	12:23	Unplanned
FOUR CORNERS 2	01/07/13	11:49	01/09/13	16:00	Unplanned
	01/09/13	16:00	01/10/13	20:33	Unplanned
	01/13/13	10:48	01/13/13	23:01	Unplanned
	01/14/13	18:30	01/14/13	22:53	Unplanned
FOUR CORNERS 3	01/13/13	18:14	01/14/13	00:00	Unplanned
FOUR CORNERS 4	No Outages				
FOUR CORNERS 5	01/01/13	00:00	01/01/13	03:38	Unplanned
OCOTILLO ST1	No Outages				
OCOTILLO ST2	01/14/13	05:07	01/16/13	07:40	Unplanned
OCOTILLO.CT1	01/01/13	00:00	02/01/13	00:00	Planned
OCOTILLO.CT2	01/03/13	00:00	01/09/13	17:00	Planned
	01/10/13	07:28	01/13/13	10:14	Unplanned
	01/16/13	12:00	01/16/13	13:28	Maintenance
	01/21/13	00:34	01/22/13	13:09	Unplanned
	01/28/13	07:09	01/29/13	18:07	Unplanned
PALO VERDE 1	No Outages				
PALO VERDE 2	No Outages				
PALO VERDE 3	No Outages				
REDHAWK CT1A	01/21/13	02:02	01/21/13	10:30	Unplanned
	01/24/13	07:00	01/24/13	14:50	Unplanned
	01/31/13	09:40	02/01/13	00:00	Unplanned
REDHAWK CT1B	01/14/13	04:40	01/14/13	11:20	Unplanned
	01/21/13	02:35	01/21/13	06:45	Unplanned
	01/25/13	07:00	01/25/13	14:40	Unplanned
	01/25/13	15:38	01/26/13	01:40	Unplanned
	01/26/13	05:59	01/26/13	15:22	Unplanned
	01/31/13	09:48	02/01/13	00:00	Unplanned
REDHAWK ST1	01/21/13	02:35	01/21/13	06:45	Unplanned
	01/31/13	09:51	02/01/13	00:00	Unplanned
REDHAWK.CT2A	01/28/13	14:40	01/31/13	22:00	Unplanned
	01/28/13	03:40	01/28/13	11:00	Unplanned
REDHAWK.CT2B	01/28/13	14:00	01/31/13	17:30	Unplanned
REDHAWK.ST2	01/27/13	17:35	01/27/13	23:00	Unplanned
	01/28/13	14:40	01/31/13	17:30	Unplanned
	01/28/13	03:40	01/28/13	11:00	Unplanned
SAGUARO ST1	No Outages				
SAGUARO ST2	No Outages				
SAGUARO.CT1	01/01/13	00:00	02/01/13	00:00	Unplanned
SAGUARO.CT2	01/09/13	06:35	01/09/13	12:48	Unplanned
	01/10/13	17:01	01/11/13	18:45	Unplanned
	01/14/13	20:14	01/16/13	17:50	Unplanned
	01/14/13	05:14	01/14/13	09:35	Unplanned
SAGUARO.CT3	01/28/13	17:40	01/28/13	19:17	Unplanned
DOUGLAS (FAIRVIEW) 1	01/02/13	13:42	01/03/13	15:05	Unplanned
	01/10/13	08:00	01/10/13	17:00	Maintenance

# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: JANUARY 2013

Plant and Unit	Outage Start: Date / Time	Outage End: Date / Time	Description (3)
SUNDANCE 1	01/08/13 09:13	01/08/13 11:00	Maintenance
	01/15/13 07:50	01/15/13 16:46	Unplanned
	01/31/13 19:00	02/01/13 00:00	Maintenance
SUNDANCE 2	01/27/13 19:04	01/28/13 04:00	Unplanned
SUNDANCE 3	01/21/13 06:55	01/25/13 14:00	Unplanned
	01/26/13 22:53	01/28/13 12:40	Unplanned
SUNDANCE 4	No Outages		
SUNDANCE 5	01/07/13 06:07	01/07/13 11:40	Unplanned
	01/14/13 23:12	01/15/13 12:50	Maintenance
	01/16/13 21:30	01/18/13 01:30	Maintenance
SUNDANCE 6	01/09/13 06:39	01/10/13 15:01	Unplanned
	01/27/13 18:05	01/28/13 04:00	Unplanned
SUNDANCE 7	01/14/13 02:30	01/14/13 03:30	Unplanned
SUNDANCE 8	01/11/13 07:58	01/18/13 16:40	Unplanned
SUNDANCE 9	No Outages		
SUNDANCE 10	01/18/13 06:14	01/18/13 10:50	Unplanned
WEST PHOENIX CC1	01/03/13 03:25	01/03/13 17:00	Unplanned
	01/15/13 13:45	01/15/13 21:50	Unplanned
	01/24/13 16:42	02/01/13 00:00	Unplanned
WEST PHOENIX CC2	01/04/13 14:38	01/22/13 18:31	Planned
	01/04/13 06:39	01/04/13 14:38	Unplanned
WEST PHOENIX CC3	01/17/13 15:05	01/17/13 19:00	Unplanned
	01/20/13 15:50	01/21/13 15:35	Unplanned
WEST PHOENIX CC4	No Outages		
WEST PHOENIX CT5A	01/26/13 00:00	02/01/13 00:00	Planned
WEST PHOENIX CT5B	01/14/13 05:55	01/14/13 13:30	Unplanned
	01/26/13 00:00	02/01/13 00:00	Planned
WEST PHOENIX-ST5	01/09/13 05:18	01/09/13 07:38	Unplanned
	01/14/13 05:46	01/14/13 20:00	Unplanned
	01/26/13 00:00	02/01/13 00:00	Planned
WEST PHOENIX CT1	No Outages		
WEST PHOENIX CT2	01/01/13 00:00	02/01/13 00:00	Planned
YUCCA CT1	01/22/13 11:00	01/22/13 17:00	Maintenance
YUCCA CT2	No Outages		
YUCCA CT3	No Outages		
YUCCA CT4	No Outages		
YUCCA CT5	01/05/13 06:41	01/05/13 12:30	Unplanned
	01/14/13 05:28	01/14/13 16:30	Unplanned
	01/17/13 18:42	01/17/13 21:48	Unplanned
	01/23/13 12:00	01/23/13 17:00	Maintenance
YUCCA CT6	01/07/13 04:51	01/07/13 19:09	Unplanned

(1) Designations of 01/01/13 00:00 mean that the outage began in the prior month

(2) Designations of 02/01/13 00:00 mean that the outage continues into the following month.

(3) Outage descriptions conform to the official NERC/GADS outage descriptions. Note that all outages less than 1 hour have been excluded from th

# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: FEBRUARY 2013

Plant and Unit	Outage Start: Date / Time		Outage End: Date / Time		Description (3)
CHOLLA 1	02/14/13	23:41	02/22/13	12:00	Planned
	02/22/13	16:55	02/22/13	17:59	Planned
CHOLLA 2	02/01/13	00:00	(1) 02/02/13	22:29	Unplanned
	02/14/13	06:59	02/15/13	02:04	Unplanned
CHOLLA 3	No Outages				
FOUR CORNERS 1	No Outages				
FOUR CORNERS 2	02/16/13	15:40	02/19/13	22:55	Unplanned
FOUR CORNERS 3	02/02/13	18:13	02/02/13	22:50	Unplanned
	02/21/13	08:59	02/21/13	14:10	Unplanned
FOUR CORNERS 4	02/04/13	11:05	02/05/13	20:51	Unplanned
	02/21/13	04:57	02/24/13	22:02	Unplanned
FOUR CORNERS 5	02/04/13	01:02	02/04/13	12:00	Unplanned
	02/04/13	12:00	02/07/13	04:00	Maintenance
FOUR CORNERS 5	02/07/13	04:00	02/10/13	19:09	Unplanned
OCOTILLO ST1	02/02/13	01:45	02/05/13	17:00	Unplanned
	02/11/13	00:00	02/12/13	20:50	Planned
OCOTILLO ST2	02/02/13	01:45	02/05/13	17:00	Unplanned
	02/11/13	00:00	03/01/13	00:00 (2)	Planned
OCOTILLO.CT1	02/01/13	00:00	(1) 03/01/13	00:00 (2)	Planned
OCOTILLO.CT2	02/15/13	06:00	02/15/13	15:30	Maintenance
PALO VERDE 1	No Outages				
PALO VERDE 2	No Outages				
PALO VERDE 3	No Outages				
REDHAWK CT1A	No Outages				
REDHAWK CT1B	No Outages				
REDHAWK ST1	No Outages				
REDHAWK.CT2A	No Outages				
REDHAWK.CT2B	No Outages				
REDHAWK.ST2	02/13/13	14:25	02/13/13	19:35	Unplanned
SAGUARO ST1	No Outages				
SAGUARO ST2	No Outages				
SAGUARO.CT1	02/01/13	00:00	(1) 03/01/13	00:00 (2)	Unplanned
SAGUARO.CT2	02/27/13	08:19	02/27/13	13:20	Unplanned
SAGUARO.CT3	02/18/13	09:45	02/18/13	11:45	Unplanned
	02/27/13	04:38	02/27/13	07:30	Unplanned
DOUGLAS (FAIRVIEW) 1	02/12/13	00:44	02/12/13	11:10	Unplanned
	02/14/13	09:15	02/19/13	11:00	Unplanned
	02/19/13	13:00	02/19/13	15:15	Unplanned
SUNDANCE 1	02/01/13	00:00	(1) 02/01/13	02:40	Maintenance
	02/07/13	22:00	02/08/13	02:25	Maintenance
	02/11/13	01:59	02/25/13	00:15	Planned
	02/11/13	00:02	02/11/13	01:42	Maintenance
	02/25/13	00:15	02/25/13	01:42	Maintenance
SUNDANCE 2	02/07/13	22:00	02/08/13	02:25	Maintenance
	02/11/13	01:59	02/19/13	16:58	Planned
	02/11/13	00:02	02/11/13	01:42	Maintenance
	02/20/13	00:01	02/20/13	01:00	Maintenance
	02/21/13	06:28	02/21/13	07:56	Unplanned
	02/25/13	00:15	02/25/13	01:42	Maintenance
SUNDANCE 3	02/11/13	00:02	02/11/13	01:42	Maintenance

# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: FEBRUARY 2013

Plant and Unit	Outage Start: Date / Time	Outage End: Date / Time	Description (3)
	02/21/13 06:28	02/21/13 07:56	Unplanned
	02/23/13 10:00	02/23/13 15:00	Maintenance
	02/25/13 01:42	03/01/13 00:00 (2)	Planned
	02/25/13 00:15	02/25/13 01:42	Maintenance
SUNDANCE 4	02/11/13 00:02	02/11/13 01:42	Maintenance
	02/21/13 06:28	02/21/13 07:56	Unplanned
	02/23/13 10:00	02/23/13 15:00	Maintenance
	02/25/13 01:42	03/01/13 00:00 (2)	Planned
	02/25/13 00:15	02/25/13 01:42	Maintenance
SUNDANCE 5	02/11/13 00:02	02/11/13 01:42	Maintenance
	02/21/13 06:28	02/21/13 07:56	Unplanned
	02/25/13 00:15	02/25/13 01:42	Maintenance
SUNDANCE 6	02/11/13 01:42	02/11/13 06:50	Unplanned
	02/11/13 00:02	02/11/13 01:42	Maintenance
	02/21/13 06:28	02/21/13 07:56	Unplanned
	02/25/13 00:15	02/25/13 01:42	Maintenance
SUNDANCE 7	02/21/13 06:21	02/21/13 07:56	Unplanned
SUNDANCE 8	02/10/13 18:30	02/11/13 06:25	Unplanned
	02/21/13 06:28	02/21/13 07:56	Unplanned
SUNDANCE 9	02/21/13 06:26	02/21/13 07:56	Unplanned
SUNDANCE 10	02/21/13 06:28	02/21/13 07:56	Unplanned
WEST PHOENIX CC1	02/01/13 00:00	02/04/13 21:20	Unplanned
	02/06/13 07:25	02/06/13 10:40	Unplanned
	02/19/13 00:00	02/19/13 14:54	Unplanned
	02/22/13 07:28	02/22/13 16:36	Unplanned
WEST PHOENIX CC2	02/04/13 15:33	02/04/13 21:20	Unplanned
	02/05/13 03:51	02/05/13 12:45	Unplanned
WEST PHOENIX CC3	02/02/13 04:34	02/02/13 09:20	Unplanned
	02/11/13 16:20	02/11/13 19:50	Unplanned
WEST PHOENIX CC4	No Outages		
WEST PHOENIX CT5A	02/01/13 00:00	02/22/13 00:00	Planned
	02/22/13 07:57	02/22/13 10:19	Unplanned
	02/23/13 19:54	02/24/13 01:45	Unplanned
WEST PHOENIX CT5B	02/01/13 00:00	02/23/13 16:33	Planned
WEST PHOENIX CT1	No Outages		
WEST PHOENIX CT2	02/01/13 00:00	03/01/13 00:00 (2)	Planned
WEST PHOENIX-ST5	02/01/13 00:00	02/22/13 00:00	Planned
YUCCA CT1	No Outages		
YUCCA CT2	No Outages		
YUCCA CT3	No Outages		
YUCCA CT4	No Outages		
YUCCA CT5	02/12/13 06:37	02/12/13 15:15	Unplanned
	02/18/13 18:01	02/18/13 21:23	Unplanned
	02/25/13 05:48	02/25/13 07:43	Unplanned
YUCCA CT6	02/20/13 18:04	02/21/13 16:25	Unplanned
	02/23/13 19:30	02/24/13 01:20	Unplanned

(1) Designations of 02/01/13 00:00 mean that the outage began in the prior month

(2) Designations of 03/01/13 00:00 mean that the outage continues into the following month.

(3) Outage descriptions conform to the official NERC/GADS outage descriptions. Note that all outages less than 1 hour have been excluded from this report.

# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: MARCH 2013

Plant and Unit	Outage Start: Date / Time		Outage End: Date / Time		Description (3)
CHOLLA 1	No Outages				
CHOLLA 2	03/18/13	23:00	03/29/13	23:00	Planned
	03/29/13	23:00	04/01/13	00:00 (2)	Planned
CHOLLA 3	03/11/13	12:06	03/11/13	22:12	Unplanned
	03/11/13	22:12	03/12/13	16:45	Unplanned
FOUR CORNERS 1	03/19/13	00:00	03/21/13	12:33	Unplanned
FOUR CORNERS 2	03/15/13	10:20	03/20/13	02:54	Unplanned
FOUR CORNERS 3	03/30/13	14:11	03/31/13	23:59	Unplanned
FOUR CORNERS 4	03/04/13	18:24	03/08/13	14:00	Unplanned
	03/08/13	14:00	03/09/13	19:16	Maintenance
	03/10/13	03:15	03/10/13	11:39	Unplanned
FOUR CORNERS 5	03/02/13	14:02	03/02/13	17:43	Unplanned
	03/20/13	05:52	03/21/13	03:35	Unplanned
	03/28/13	02:45	03/31/13	23:59	Unplanned
NAVAJO 1	No Outages				
NAVAJO 2	03/04/13	02:00	03/04/13	04:36	Planned
	03/05/13	23:30	03/06/13	03:32	Unplanned
	03/08/13	21:55	03/11/13	13:36	Maintenance
	03/11/13	13:36	03/13/13	09:11	Maintenance
	03/17/13	04:46	03/20/13	13:34	Unplanned
NAVAJO 3	No Outages				
OCOTILLO ST1	03/17/13	00:00	03/18/13	00:00	Unplanned
	03/18/13	00:00	04/01/13	00:00 (2)	Planned
OCOTILLO ST2	03/01/13	00:00 (1)	03/17/13	17:00	Planned
	03/17/13	17:00	04/01/13	00:00 (2)	Unplanned
OCOTILLO.CT1	03/01/13	00:00 (1)	04/01/13	00:00 (2)	Planned
OCOTILLO.CT2	03/01/13	14:01	03/08/13	14:00	Unplanned
PALO VERDE 1	03/30/13	00:00	04/01/13	00:00 (2)	Planned
PALO VERDE 2	No Outages				
PALO VERDE 3	No Outages				Unplanned
REDHAWK CT1A	03/04/13	22:00	03/05/13	13:15	Unplanned
	03/08/13	13:35	03/08/13	22:36	Unplanned
REDHAWK CT1B	03/02/13	05:25	03/02/13	12:00	Unplanned
	03/08/13	13:48	03/09/13	02:00	Unplanned
	03/12/13	15:46	03/12/13	20:15	Unplanned
REDHAWK ST1	03/08/13	13:35	03/09/13	00:22	Unplanned
	03/09/13	19:06	03/09/13	20:55	Unplanned
	03/12/13	17:16	03/12/13	19:30	Unplanned
REDHAWK.CT2A	03/06/13	00:00	03/15/13	00:00	Planned
	03/15/13	00:00	03/17/13	18:00	Unplanned
REDHAWK.CT2B	03/06/13	00:00	03/15/13	00:00	Unplanned
	03/15/13	00:00	03/17/13	18:00	Unplanned
	03/26/13	15:00	03/26/13	17:00	Unplanned
REDHAWK.ST2	03/06/13	00:00	03/15/13	00:00	Planned
	03/15/13	00:00	04/01/13	00:00 (2)	Unplanned
SAGUARO ST1	No Outages				
SAGUARO ST2	No Outages				
SAGUARO.CT1	03/01/13	00:00 (1)	04/01/13	00:00 (2)	Unplanned
SAGUARO.CT2	03/07/13	08:00	03/07/13	16:55	Maintenance
	03/25/13	07:00	04/01/13	00:00 (2)	Planned
SAGUARO.CT3	No Outages				
DOUGLAS (FAIRVIEW) 1	03/04/13	09:05	03/04/13	16:15	Maintenance
	03/17/13	10:45	03/18/13	14:30	Maintenance

# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: MARCH 2013

Plant and Unit	Outage Start: Date / Time	Outage End: Date / Time	Description (3)
SUNDANCE 1	No Outages		
SUNDANCE 2	No Outages		
SUNDANCE 3	03/01/13 00:00 (1)	03/05/13 14:34	Planned
SUNDANCE 4	03/01/13 00:00 (1)	03/05/13 14:34	Planned
SUNDANCE 5	03/13/13 11:00	03/13/13 17:30	Unplanned
SUNDANCE 6	03/13/13 10:00	03/13/13 17:30	Unplanned
	03/29/13 17:27	03/29/13 21:31	Maintenance
SUNDANCE 7	No Outages		
SUNDANCE 8	No Outages		
SUNDANCE 9	03/12/13 17:42	03/13/13 10:10	Unplanned
	03/13/13 12:05	03/14/13 14:15	Unplanned
	03/17/13 19:55	03/20/13 09:00	Unplanned
	03/20/13 09:30	03/20/13 11:15	Unplanned
SUNDANCE.10	03/20/13 09:30	03/20/13 11:15	Unplanned
WEST PHOENIX CC1	03/05/13 00:00	03/18/13 23:59	Planned
	03/19/13 12:32	03/19/13 14:10	Unplanned
	03/20/13 04:00	03/20/13 07:03	Unplanned
WEST PHOENIX CC2	03/11/13 00:01	03/18/13 23:59	Planned
	03/30/13 21:34	03/31/13 15:25	Unplanned
WEST PHOENIX CC3	No Outages		
WEST PHOENIX CC4	03/24/13 23:59	04/01/13 00:00 (2)	Planned
WEST PHOENIX CT5A	03/10/13 16:10	03/10/13 17:28	Planned
	03/29/13 15:45	04/01/13 00:00 (2)	Unplanned
WEST PHOENIX CT5B	03/09/13 05:10	03/09/13 06:30	Planned
	03/29/13 15:45	04/01/13 00:00 (2)	Unplanned
WEST PHOENIX.CT1	No Outages		
WEST PHOENIX.CT2	03/01/13 00:00	04/01/13 00:00 (2)	Planned
WEST PHOENIX-ST5	03/10/13 17:42	03/10/13 19:37	Unplanned
	03/19/13 16:45	03/19/13 18:00	Unplanned
	03/29/13 15:45	04/01/13 00:00 (2)	Unplanned
YUCCA CT1	03/19/13 06:00	03/27/13 22:49	Planned
YUCCA CT2	No Outages		
YUCCA CT3	No Outages		
YUCCA CT4	03/27/13 14:18	03/27/13 18:50	Unplanned
	03/28/13 07:57	03/28/13 16:48	Unplanned
YUCCA CT5	03/04/13 00:00	03/18/13 14:46	Planned
	03/30/13 06:00	04/01/13 00:00 (2)	Planned
YUCCA CT6	03/04/13 00:00	03/18/13 12:09	Planned
	03/30/13 06:00	04/01/13 00:00 (2)	Planned

(1) Designations of 03/01/13 00:00 mean that the outage began in the prior month

(2) Designations of 04/01/13 00:00 mean that the outage continues into the following month.

(3) Outage descriptions conform to the official NERC/GADS outage descriptions. Note that all outages less than 1 hour have been excluded from this report.

# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: APRIL 2013

Plant and Unit	Outage Start: Date / Time		Outage End: Date / Time		Description (3)
CHOLLA 1	04/24/13	13:59	04/25/13	01:22	Unplanned
CHOLLA 2	04/01/13	00:00	(1) 04/02/13	22:21	Planned
	04/02/13	22:21	04/03/13	04:00	Planned
	04/03/13	04:00	04/04/13	12:58	Unplanned
	04/04/13	12:58	04/07/13	08:41	Unplanned
CHOLLA 3	04/26/13	23:13	04/28/13	17:21	Unplanned
FOUR CORNERS 1	04/16/13	02:00	04/19/13	07:50	Unplanned
FOUR CORNERS 2	04/15/13	23:30	04/19/13	03:00	Unplanned
	04/19/13	03:00	04/19/13	12:30	Maintenance
	04/19/13	17:14	04/20/13	05:40	Unplanned
FOUR CORNERS 3	04/01/13	00:00	(1) 04/05/13	08:00	Unplanned
	04/05/13	17:00	04/06/13	02:06	Maintenance
	04/05/13	08:00	04/05/13	17:00	Maintenance
FOUR CORNERS 4	04/08/13	23:54	04/30/13	23:59	Planned
FOUR CORNERS 5	04/01/13	00:00	(1) 04/05/13	21:03	Unplanned
	04/22/13	05:02	04/25/13	17:24	Unplanned
NAVAJO 1	No Outages				
NAVAJO 2	04/05/13	23:17	04/08/13	13:05	Unplanned
	04/12/13	22:44	04/12/13	23:45	Unplanned
	04/15/13	13:15	04/15/13	14:14	Unplanned
NAVAJO 3	No Outages				
OCOTILLO ST1	04/01/13	00:00	(1) 04/27/13	00:00	Planned
	04/27/13	00:00	04/28/13	00:00	Planned
	04/29/13	10:37	04/29/13	19:36	Unplanned
OCOTILLO ST2	04/01/13	00:00	(1) 04/19/13	10:20	Planned
	04/19/13	10:20	04/26/13	14:38	Unplanned
	04/26/13	20:40	04/27/13	14:40	Unplanned
	04/30/13	18:29	05/01/13	00:00 (2)	Unplanned
OCOTILLO.CT1	04/01/13	00:00	(1) 05/01/13	00:00 (2)	Planned
OCOTILLO.CT2	04/08/13	00:00	04/12/13	00:00	Planned
	04/27/13	07:00	04/27/13	10:56	Unplanned
PALO VERDE 1	04/01/13	00:00	(1) 04/28/13	18:55	Planned
	04/29/13	02:05	04/29/13	03:06	Planned
PALO VERDE 2	No Outages				
PALO VERDE 3	No Outages				
REDHAWK CT1A	04/03/13	22:40	04/04/13	10:20	Unplanned
	04/21/13	13:45	04/27/13	15:00	Maintenance
REDHAWK CT1B	04/18/13	05:15	04/27/13	12:00	Maintenance
	04/27/13	16:20	04/28/13	11:45	Unplanned
REDHAWK ST1	04/21/13	12:02	04/27/13	23:18	Maintenance
	04/28/13	12:57	05/01/13	00:00 (2)	Unplanned
REDHAWK.CT2A	04/02/13	10:00	04/09/13	13:00	Unplanned
REDHAWK.CT2B	04/02/13	10:00	04/09/13	13:00	Unplanned
REDHAWK.ST2	04/01/13	00:00	(1) 04/09/13	19:00	Unplanned
	04/10/13	11:00	04/19/13	13:20	Unplanned
SAGUARO ST1	No Outages				
SAGUARO ST2	No Outages				
SAGUARO.CT1	04/01/13	00:00	(1) 05/01/13	00:00 (2)	Unplanned
SAGUARO.CT2	04/01/13	00:00	(1) 04/08/13	07:00	Planned
	04/08/13	07:00	04/30/13	12:45	Unplanned
SAGUARO.CT3	No Outages				

**ARIZONA PUBLIC SERVICE COMPANY**

GENERATING UNIT OUTAGES  
FOR THE MONTH OF:  
APRIL 2013

Plant and Unit	Outage Start:		Outage End:		Description (3)
	Date / Time		Date / Time		
DOUGLAS (FAIRVIEW) 1	04/22/13	07:10	04/26/13	11:17	Planned



# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: APRIL 2013

Plant and Unit	Outage Start:		Outage End:		Description (3)
	Date / Time		Date / Time		
SUNDANCE 1	04/08/13 19:32		04/09/13 05:40		Unplanned
	04/22/13 19:55		04/24/13 01:08		Unplanned
SUNDANCE 2	04/24/13 00:01		04/24/13 01:08		Maintenance
SUNDANCE 3	04/02/13 00:01		04/02/13 01:37		Unplanned
SUNDANCE 3	04/08/13 06:59		04/08/13 19:10		Unplanned
	04/24/13 00:01		04/24/13 01:08		Maintenance
SUNDANCE 4	04/24/13 00:01		04/24/13 01:08		Maintenance
SUNDANCE 5	04/24/13 00:01		04/24/13 01:08		Maintenance
SUNDANCE 6	04/24/13 00:01		04/24/13 01:08		Maintenance
SUNDANCE 7	No Outages				
SUNDANCE 8	No Outages				
SUNDANCE 9	04/03/13 22:35		04/04/13 20:15		Unplanned
	04/09/13 10:15		04/09/13 11:30		Maintenance
SUNDANCE.10	04/03/13 22:35		04/04/13 20:15		Unplanned
WEST PHOENIX CC1	04/28/13 19:25		04/29/13 00:00		Unplanned
WEST PHOENIX CC2	04/01/13 00:00	(1)	04/04/13 20:45		Unplanned
	04/05/13 10:22		04/05/13 19:31		Unplanned
	04/08/13 18:08		04/09/13 15:02		Unplanned
	04/22/13 14:22		04/22/13 22:33		Unplanned
	04/27/13 11:50		04/27/13 14:16		Unplanned
	04/28/13 06:00		04/28/13 12:28		Unplanned
	04/29/13 00:00		04/29/13 07:45		Unplanned
WEST PHOENIX CC3	04/14/13 23:59		04/29/13 23:59		Planned
WEST PHOENIX CC4	04/01/13 00:00	(1)	04/09/13 17:00		Planned
WEST PHOENIX CT5A	04/01/13 00:00	(1)	04/05/13 08:45		Unplanned
	04/12/13 05:30		04/25/13 06:00		Unplanned
WEST PHOENIX CT5B	04/01/13 00:00	(1)	04/05/13 08:45		Unplanned
	04/12/13 05:30		04/25/13 06:00		Unplanned
WEST PHOENIX-ST5	04/01/13 00:00	(1)	04/05/13 08:45		Unplanned
	04/12/13 05:30		04/25/13 06:00		Unplanned
WEST PHOENIX.CT1	No Outages				
WEST PHOENIX.CT2	04/01/13 00:00	(1)	05/01/13 00:00	(2)	Planned
YUCCA CT1	No Outages				
YUCCA CT2	04/01/13 00:00	(1)	04/08/13 17:04		Planned
YUCCA CT3	04/10/13 00:00		04/21/13 21:07		Planned
	04/25/13 04:48		04/25/13 06:32		Unplanned
YUCCA CT4	04/21/13 00:00		04/22/13 07:40		Planned
YUCCA CT5	04/01/13 00:00	(1)	04/03/13 15:30		Planned
	04/04/13 13:35		04/04/13 16:30		Unplanned
	04/11/13 05:20		04/11/13 16:20		Unplanned
	04/18/13 11:00		04/18/13 16:42		Planned
	04/19/13 08:00		04/19/13 17:50		Unplanned
	04/21/13 10:15		04/21/13 11:34		Unplanned
	04/24/13 10:00		04/24/13 12:20		Unplanned
YUCCA CT6	04/01/13 00:00	(1)	04/02/13 18:33		Planned
	04/11/13 05:20		04/11/13 16:20		Unplanned
	04/23/13 06:00		04/23/13 17:24		Planned

(1) Designations of 04/01/13 00:00 mean that the outage began in the prior month

(2) Designations of 05/01/13 00:00 mean that the outage continues into the following month.

(3) Outage descriptions conform to the official NERC/GADS outage descriptions. Note that all outages less than 1 hour have been excluded from it

# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: MAY 2013

Plant and Unit	Outage Start: Date / Time		Outage End: Date / Time		Description (3)
CHOLLA 1	05/29/13	00:55	05/30/13	20:45	Unplanned
CHOLLA 2	No Outages				
CHOLLA 3	No Outages				
FOUR CORNERS 1	No Outages				
FOUR CORNERS 2	No Outages				
FOUR CORNERS 3	05/21/13	23:00	05/28/13	03:00	Unplanned
FOUR CORNERS 4	05/01/13	00:00	(1) 05/09/13	04:34	Planned
	05/09/13	16:45	05/10/13	13:00	Unplanned
	05/10/13	13:00	05/11/13	07:50	Unplanned
	05/24/13	11:02	05/25/13	03:35	Unplanned
FOUR CORNERS 5	05/25/13	23:41	05/31/13	08:50	Unplanned
NAVAJO 1	05/29/13	11:02	06/01/13	00:00	(2) Unplanned
NAVAJO 2	No Outages				
NAVAJO 3	05/31/13	01:50	05/31/13	09:31	Unplanned
OCOTILLO ST1	No Outages				
OCOTILLO ST2	05/01/13	00:00	(1) 05/01/13	10:20	Unplanned
OCOTILLO ST2	05/03/13	17:51	05/22/13	10:07	Unplanned
	05/22/13	21:15	05/23/13	10:30	Unplanned
OCOTILLO.CT1	05/01/13	00:00	(1) 05/28/13	11:32	Planned
	05/28/13	13:32	05/29/13	12:44	Planned
	05/29/13	16:43	05/30/13	16:10	Planned
	05/30/13	17:12	06/01/13	00:00	(2) Planned
OCOTILLO.CT2	05/11/13	14:30	05/11/13	16:50	Maintenance
PALO VERDE 1	No Outages				
PALO VERDE 2	No Outages				
PALO VERDE 3	No Outages				
REDHAWK CT1A	05/11/13	01:13	05/17/13	17:00	Unplanned
REDHAWK CT1B	05/08/13	12:00	05/08/13	16:10	Unplanned
	05/11/13	01:13	05/17/13	17:00	Unplanned
	05/21/13	06:45	05/21/13	15:13	Unplanned
REDHAWK ST1	05/08/13	16:30	05/18/13	14:19	Unplanned
	05/08/13	01:22	05/08/13	13:30	Unplanned
REDHAWK.CT2A	05/30/13	04:00	06/01/13	00:00	(2) Unplanned
REDHAWK.CT2B	05/30/13	04:00	06/01/13	00:00	(2) Unplanned
REDHAWK.ST2	05/26/13	16:57	06/01/13	00:00	(2) Unplanned
SAGUARO ST1	No Outages				
SAGUARO ST2	No Outages				
SAGUARO.CT1	05/01/13	00:00	(1) 06/01/13	00:00	(2) Unplanned
SAGUARO.CT2	05/30/13	14:57	05/30/13	16:46	Maintenance
SAGUARO.CT3	No Outages				
DOUGLAS (FAIRVIEW) 1	No Outages				
SUNDANCE 1	05/29/13	16:54	05/29/13	21:45	Unplanned
SUNDANCE 2	05/04/13	15:00	05/04/13	19:55	Unplanned
SUNDANCE 3	No Outages				
SUNDANCE 4	No Outages				
SUNDANCE 5	No Outages				
SUNDANCE 6	No Outages				

**ARIZONA PUBLIC SERVICE COMPANY**

GENERATING UNIT OUTAGES  
FOR THE MONTH OF:  
**MAY 2013**

Plant and Unit	Outage Start:		Outage End:		Description (3)
	Date / Time		Date / Time		
SUNDANCE 7	No Outages				
SUNDANCE 8	No Outages				
SUNDANCE 9	05/27/13	16:48	05/28/13	08:35	Unplanned

# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: MAY 2013

Plant and Unit	Outage Start: Date / Time		Outage End: Date / Time		Description (3)
SUNDANCE.10	No Outages				
WEST PHOENIX CC1	No Outages				
WEST PHOENIX CC2	No Outages				
WEST PHOENIX CC3	05/12/13	14:01	05/12/13	20:40	Unplanned
	05/14/13	13:07	05/14/13	14:54	Unplanned
WEST PHOENIX CC4	No Outages				
WEST PHOENIX CT5A	05/01/13	00:00	(1)	05/18/13 10:30	Planned
WEST PHOENIX CT5B	05/01/13	00:00	(1)	05/18/13 10:30	Planned
WEST PHOENIX-ST5	05/01/13	00:00	(1)	05/18/13 10:30	Planned
WEST PHOENIX.CT1	05/11/13	06:00		05/11/13 20:37	Maintenance
WEST PHOENIX.CT2	05/01/13	00:00	(1)	06/01/13 00:00 (2)	Planned
YUCCA CT1	No Outages				
YUCCA CT2	No Outages				
YUCCA CT3	05/21/13	18:16		05/24/13 15:01	Unplanned
YUCCA CT4	No Outages				
YUCCA CT5	05/02/13	14:00		05/02/13 15:30	Maintenance
	05/21/13	12:43		05/21/13 17:39	Unplanned
	05/21/13	18:03		05/21/13 20:55	Unplanned
	05/24/13	17:07		05/24/13 20:40	Unplanned
YUCCA CT6	05/21/13	18:03		05/21/13 20:55	Unplanned
	05/24/13	17:07		05/24/13 20:40	Unplanned

(1) Designations of 05/01/13 00:00 mean that the outage began in the prior month

(2) Designations of 06/01/13 00:00 mean that the outage continues into the following month.

(3) Outage descriptions conform to the official NERC/GADS outage descriptions. Note that all outages less than 1 hour have been excluded from this report.

# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: JUNE 2013

Plant and Unit	Outage Start: Date / Time		Outage End: Date / Time		Description (3)
CHOLLA 1	No Outages				
CHOLLA 2	06/07/13	22:11	06/08/13	17:13	Unplanned
	06/14/13	14:52	06/17/13	12:13	Unplanned
	06/17/13	12:24	06/17/13	13:24	Unplanned
	06/25/13	12:39	06/26/13	03:31	Unplanned
CHOLLA 3	06/30/13	04:28	07/01/13	00:00 (2)	Unplanned
FOUR CORNERS 1	06/08/13	19:39	06/09/13	08:11	Unplanned
	06/09/13	08:44	06/09/13	09:50	Unplanned
FOUR CORNERS 2	06/17/13	23:00	06/23/13	22:28	Unplanned
FOUR CORNERS 3	06/02/13	15:51	06/03/13	22:53	Unplanned
	06/10/13	20:40	06/11/13	08:08	Unplanned
	06/20/13	17:31	06/21/13	00:00	Unplanned
	06/21/13	00:00	06/26/13	07:26	Unplanned
FOUR CORNERS 4	No Outages				
FOUR CORNERS 5	06/01/13	00:46	06/02/13	23:57	Unplanned
	06/26/13	03:00	06/30/13	23:15	Unplanned
NAVAJO 1	06/01/13	00:00 (1)	06/02/13	11:28	Unplanned
NAVAJO 2	06/20/13	02:02	06/21/13	22:03	Unplanned
NAVAJO 3	No Outages				
OCOTILLO ST1	No Outages				
OCOTILLO ST2	06/12/13	11:53	06/13/13	13:29	Unplanned
OCOTILLO.CT1	06/01/13	00:00 (1)	06/01/13	18:09	Planned
	06/01/13	18:10	06/03/13	10:53	Planned
	06/03/13	15:59	06/04/13	13:49	Planned
	06/28/13	17:05	06/28/13	22:40	Unplanned
OCOTILLO.CT2	06/20/13	09:05	06/20/13	14:37	Unplanned
PALO VERDE 1	No Outages				
PALO VERDE 2	No Outages				
PALO VERDE 3	No Outages				
					Unplanned
REDHAWK CT1A	06/05/13	06:29	06/05/13	15:00	Unplanned
	06/13/13	23:45	06/17/13	08:44	Unplanned
REDHAWK CT1B	06/05/13	06:44	06/05/13	15:00	Unplanned
	06/13/13	23:24	06/17/13	08:44	Unplanned
	06/24/13	19:11	06/25/13	15:50	Unplanned
REDHAWK ST1	06/05/13	06:26	06/05/13	20:54	Unplanned
	06/13/13	23:48	06/17/13	08:44	Unplanned
REDHAWK.CT2A	06/01/13	00:00 (1)	06/02/13	04:56	Unplanned
	06/30/13	16:03	06/30/13	18:45	Unplanned
REDHAWK.CT2B	06/01/13	00:00 (1)	06/02/13	04:56	Unplanned
REDHAWK.ST2	06/01/13	00:00 (1)	07/01/13	00:00 (2)	Unplanned
SAGUARO ST1	No Outages				
SAGUARO ST2	No Outages				
SAGUARO.CT1	06/01/13	00:00 (1)	07/01/13	00:00 (2)	Unplanned
SAGUARO.CT2	06/13/13	07:00	06/13/13	15:15	Unplanned
	06/28/13	18:55	06/29/13	11:10	Unplanned
	06/28/13	14:59	06/28/13	18:40	Unplanned
SAGUARO.CT3	06/27/13	12:05	06/27/13	13:55	Unplanned
DOUGLAS (FAIRVIEW) 1	06/23/13	15:00	06/23/13	16:37	Unplanned
SUNDANCE 1	06/02/13	15:20	06/03/13	12:30	Unplanned
	06/05/13	11:20	06/05/13	16:00	Unplanned
	06/08/13	19:55	06/08/13	23:30	Maintenance
	06/10/13	20:00	06/11/13	05:00	Maintenance

# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: JUNE 2013

Plant and Unit	Outage Start:		Outage End:		Description (3)
	Date / Time		Date / Time		
SUNDANCE 2	06/18/13	20:30	06/18/13	23:00	Maintenance
SUNDANCE 3	06/05/13	09:21	06/05/13	10:30	Maintenance
	06/18/13	20:30	06/18/13	23:00	Maintenance
SUNDANCE 4	06/18/13	20:30	06/18/13	23:00	Maintenance
SUNDANCE 5	06/17/13	22:00	06/18/13	04:30	Maintenance
	06/28/13	16:00	06/29/13	09:50	Unplanned
	06/29/13	17:20	06/29/13	18:55	Unplanned
SUNDANCE 6	06/17/13	22:00	06/18/13	04:30	Maintenance
	06/28/13	00:01	06/28/13	01:58	Unplanned
SUNDANCE 7	06/18/13	01:00	06/18/13	02:45	Maintenance
SUNDANCE 8	06/09/13	20:00	06/10/13	05:15	Maintenance
	06/14/13	20:00	06/15/13	05:50	Maintenance
	06/18/13	01:00	06/18/13	02:45	Maintenance
	06/19/13	20:00	06/19/13	22:40	Maintenance
SUNDANCE 9	06/18/13	02:45	06/18/13	04:30	Maintenance
SUNDANCE.10	06/02/13	15:15	06/03/13	17:30	Unplanned
	06/16/13	15:10	06/16/13	21:00	Unplanned
	06/18/13	01:00	06/18/13	02:45	Maintenance
WEST PHOENIX CC1	06/05/13	10:11	06/05/13	14:30	Unplanned
WEST PHOENIX CC2	06/24/13	22:00	06/25/13	02:00	Maintenance
WEST PHOENIX CC3	No Outages				
WEST PHOENIX CC4	06/06/13	07:40	06/24/13	15:30	Unplanned
	06/26/13	06:20	06/26/13	11:12	Unplanned
	06/27/13	00:40	06/27/13	08:00	Unplanned
	06/28/13	06:25	06/28/13	13:38	Unplanned
WEST PHOENIX CT5A	06/22/13	07:55	06/22/13	09:32	Unplanned
WEST PHOENIX CT5B	06/22/13	07:55	06/22/13	09:32	Unplanned
WEST PHOENIX.CT1	06/06/13	15:30	06/07/13	21:30	Unplanned
WEST PHOENIX.CT2	06/01/13	00:00	06/09/13	16:05	Planned
	06/09/13	16:27	06/10/13	00:00	Maintenance
	06/10/13	00:00	06/11/13	14:00	Planned
	06/13/13	12:30	06/13/13	17:25	Unplanned
	06/27/13	15:37	06/28/13	00:00	Unplanned
	06/29/13	20:30	06/30/13	00:00	Unplanned
	06/30/13	19:05	06/30/13	21:45	Unplanned
WEST PHOENIX-ST5	06/22/13	07:55	06/22/13	09:32	Unplanned
YUCCA CT1	No Outages				
YUCCA CT2	No Outages				
YUCCA CT3	06/10/13	06:00	06/10/13	09:55	Maintenance
	06/27/13	14:04	06/28/13	14:19	Unplanned
YUCCA CT4	No Outages				
YUCCA CT5	No Outages				
YUCCA CT6	06/27/13	04:15	06/27/13	06:00	Maintenance

(1) Designations of 06/01/13 00:00 mean that the outage began in the prior month

(1) Designations of 07/01/13 00:00 mean that the outage began in the prior month

(3) Outage descriptions conform to the official NERC/GADS outage descriptions. Note that all outages less than 1 hour have been excluded from t

# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: JULY 2013

Plant and Unit	Outage Start: Date / Time		Outage End: Date / Time		Description (3)
CHOLLA 1	07/06/13	02:18	07/06/13	04:17	Unplanned
CHOLLA 2	07/08/13	08:56	07/09/13	09:20	Unplanned
	07/16/13	03:16	07/16/13	16:14	Unplanned
CHOLLA 3	07/01/13	00:00	(1) 07/03/13	00:32	Unplanned
FOUR CORNERS 1	07/04/13	22:05	07/12/13	12:53	Planned
FOUR CORNERS 2	No Outages				
FOUR CORNERS 3	No Outages				
FOUR CORNERS 4	07/06/13	12:42	07/08/13	00:00	Unplanned
	07/08/13	10:00	07/11/13	01:00	Unplanned
	07/08/13	00:00	07/08/13	10:00	Unplanned
	07/11/13	01:00	07/13/13	04:27	Unplanned
FOUR CORNERS 5	07/11/13	08:40	07/16/13	11:18	Unplanned
	07/18/13	04:36	07/22/13	11:04	Unplanned
	07/29/13	18:03	08/01/13	00:00	(2) Unplanned
NAVAJO 1	No Outages				
NAVAJO 2	No Outages				
NAVAJO 3	No Outages				
OCOTILLO ST1	No Outages				
OCOTILLO ST2	No Outages				
OCOTILLO.CT1	07/06/13	06:00	07/07/13	19:53	Maintenance
	07/13/13	04:00	07/13/13	11:48	Maintenance
	07/17/13	04:00	07/19/13	09:47	Maintenance
	07/19/13	12:46	07/20/13	00:00	Unplanned
	07/20/13	00:00	07/21/13	11:02	Maintenance
OCOTILLO.CT2	07/05/13	02:25	07/05/13	15:04	Maintenance
PALO VERDE 1	No Outages				
PALO VERDE 2	No Outages				
PALO VERDE 3	No Outages				
REDHAWK CT1A	No Outages				
REDHAWK CT1B	No Outages				
REDHAWK ST1	No Outages				
REDHAWK.CT2A	07/19/13	00:00	07/31/13	19:00	Unplanned
REDHAWK.CT2B	07/19/13	00:00	07/31/13	19:00	Unplanned
REDHAWK.ST2	07/01/13	00:00	(1) 07/31/13	19:00	Unplanned
SAGUARO ST1	No Outages				
SAGUARO ST2	No Outages				
SAGUARO.CT1	07/01/13	00:00	(1) 08/01/13	00:00	(2) Unplanned
SAGUARO.CT2	No Outages				
SAGUARO.CT3	07/06/13	14:25	07/06/13	19:09	Unplanned
	07/17/13	11:45	07/17/13	15:10	Unplanned
	07/31/13	15:53	08/01/13	00:00	(2) Unplanned
DOUGLAS (FAIRVIEW) 1	07/19/13	10:30	07/19/13	16:18	Unplanned
	07/20/13	10:15	07/25/13	17:45	Unplanned

# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: JULY 2013

Plant and Unit	Outage Start: Date / Time		Outage End: Date / Time		Description (3)
SUNDANCE 1	No Outages				
SUNDANCE 2	07/24/13	00:04	07/24/13	02:33	Unplanned
SUNDANCE 3	No Outages				
SUNDANCE 4	No Outages				
SUNDANCE 5	07/24/13	22:00	07/25/13	03:00	Unplanned
SUNDANCE 6	07/23/13	22:00	07/23/13	23:56	Unplanned
SUNDANCE 7	No Outages				
SUNDANCE 8	No Outages				
SUNDANCE 9	07/07/13	14:35	07/08/13	05:30	Unplanned
	07/23/13	09:15	07/23/13	12:28	Unplanned
SUNDANCE.10	No Outages				
WEST PHOENIX CC1	07/13/13	22:00	07/14/13	08:01	Maintenance
WEST PHOENIX CC2	07/05/13	22:00	07/06/13	13:58	Maintenance
	07/13/13	22:00	07/14/13	08:01	Maintenance
WEST PHOENIX CC3	07/06/13	22:00	07/07/13	13:30	Maintenance
	07/30/13	22:00	07/31/13	07:34	Unplanned
WEST PHOENIX CC4	07/01/13	10:29	07/01/13	13:05	Unplanned
	07/03/13	21:06	07/04/13	11:10	Unplanned
	07/29/13	00:00	07/30/13	00:45	Unplanned
	07/30/13	09:51	07/30/13	11:05	Unplanned
WEST PHOENIX CT5A	07/19/13	05:42	07/19/13	09:08	Unplanned
	07/27/13	00:00	07/27/13	01:10	Maintenance
WEST PHOENIX CT5B	07/19/13	05:42	07/19/13	09:08	Unplanned
WEST PHOENIX-ST5	07/19/13	05:42	07/19/13	09:08	Unplanned
WEST PHOENIX.CT1	No Outages				
WEST PHOENIX.CT2	07/10/13	13:45	07/11/13	05:27	Unplanned
YUCCA CT1	No Outages				
YUCCA CT2	No Outages				
YUCCA CT3	07/11/13	14:15	07/14/13	18:28	Unplanned
YUCCA CT4	No Outages				
YUCCA CT5	07/20/13	18:40	07/20/13	22:43	Unplanned
YUCCA CT6	No Outages				
YUCCA.CT21	No Outages				
YUCCA.ST	No Outages				

(1) Designations of 07/01/13 00:00 mean that the outage began in the prior month

(2) Designations of 08/01/13 00:00 mean that the outage continues into the following month.

(3) Outage descriptions conform to the official NERC/GADS outage descriptions. Note that all outages less than 1 hour have been excluded from the



# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: AUGUST 2013

Plant and Unit	Outage Start: Date / Time		Outage End: Date / Time		Description (3)
CHOLLA 1	No Outages				
CHOLLA 2	08/02/13	23:32	08/03/13	14:21	Unplanned
	08/13/13	00:00	08/16/13	02:10	Unplanned
	08/30/13	21:56	09/01/13	00:00	Unplanned
CHOLLA 3	08/01/13	15:08	08/01/13	23:22	Unplanned
	08/03/13	23:26	08/05/13	09:18	Unplanned
FOUR CORNERS 1	No Outages				
FOUR CORNERS 2	08/03/13	19:00	08/04/13	18:59	Unplanned
	08/25/13	17:38	08/29/13	11:40	Unplanned
	08/30/13	03:32	08/30/13	09:41	Unplanned
FOUR CORNERS 3	08/07/13	12:29	08/07/13	23:05	Unplanned
	08/22/13	16:41	08/28/13	18:00	Unplanned
	08/28/13	18:00	08/29/13	11:39	Unplanned
FOUR CORNERS 4	No Outages				
FOUR CORNERS 5	08/01/13	00:00	08/03/13	00:30	Unplanned
	08/08/13	06:48	08/08/13	15:11	Unplanned
NAVAJO 1	No Outages				
NAVAJO 2	No Outages				
NAVAJO 3	No Outages				
OCOTILLO ST1	08/29/13	22:00	08/30/13	13:25	Maintenance
OCOTILLO ST2	08/15/13	16:07	08/17/13	16:01	Unplanned
OCOTILLO.CT1	08/17/13	23:45	08/19/13	15:52	Unplanned
	08/19/13	17:12	08/20/13	18:08	Unplanned
OCOTILLO.CT2	08/16/13	14:42	08/23/13	07:37	Unplanned
PALO VERDE 1	No Outages				
PALO VERDE 2	No Outages				
PALO VERDE 3	No Outages				
REDHAWK CT1A	08/14/13	01:15	08/14/13	02:31	Unplanned
	08/27/13	07:27	08/28/13	13:30	Unplanned
	08/29/13	16:04	08/30/13	04:00	Unplanned
	08/30/13	10:59	08/30/13	16:25	Unplanned
	08/31/13	14:12	09/01/13	00:00	Unplanned
REDHAWK CT1B	08/27/13	07:01	08/28/13	12:30	Unplanned
REDHAWK ST1	08/27/13	07:30	08/28/13	12:30	Unplanned
REDHAWK.CT2A	No Outages				
REDHAWK.CT2B	08/05/13	20:17	08/06/13	07:24	Unplanned
	08/10/13	04:07	08/10/13	09:02	Unplanned
REDHAWK.ST2	No Outages				
SAGUARO ST1	No Outages				
SAGUARO ST2	No Outages				
SAGUARO.CT1	08/01/13	00:00	09/01/13	00:00	Unplanned
SAGUARO.CT2	08/27/13	14:26	08/28/13	14:15	Unplanned
SAGUARO.CT3	08/01/13	00:00	08/01/13	17:58	Unplanned
	08/07/13	13:58	08/07/13	16:10	Unplanned
	08/14/13	10:12	08/14/13	15:50	Unplanned
DOUGLAS (FAIRVIEW) 1	08/25/13	18:16	08/27/13	17:20	Unplanned

# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: AUGUST 2013

Plant and Unit	Outage Start: Date / Time		Outage End: Date / Time		Description (3)
SUNDANCE 1	08/02/13	22:00	08/03/13	05:00	Unplanned
SUNDANCE 2	08/07/13	16:48	08/08/13	05:51	Unplanned
	08/08/13	09:00	08/09/13	10:05	Unplanned
	08/09/13	18:14	08/10/13	16:04	Unplanned
SUNDANCE 3	08/07/13	03:25	08/07/13	08:40	Unplanned
SUNDANCE 4	No Outages				
SUNDANCE 5	No Outages				
SUNDANCE 6	No Outages				
SUNDANCE 7	No Outages				
SUNDANCE 8	No Outages				
SUNDANCE 9	No Outages				
SUNDANCE 10	No Outages				
WEST PHOENIX CC1	08/01/13	23:32	08/02/13	05:00	Unplanned
WEST PHOENIX CC2	No Outages				
WEST PHOENIX CC3	No Outages				
WEST PHOENIX CC4	08/01/13	08:32	08/01/13	10:18	Unplanned
	08/15/13	07:15	08/15/13	09:02	Unplanned
	08/26/13	08:26	08/26/13	10:38	Unplanned
	08/27/13	08:52	08/27/13	10:20	Unplanned
	08/27/13	10:46	08/27/13	16:30	Unplanned
WEST PHOENIX CT5A	08/03/13	00:00	08/03/13	12:00	Maintenance
	08/04/13	00:46	08/04/13	06:00	Unplanned
	08/18/13	06:31	08/18/13	19:45	Unplanned
WEST PHOENIX CT5B	08/04/13	00:46	08/04/13	06:00	Unplanned
WEST PHOENIX-ST5	08/04/13	00:46	08/04/13	06:00	Unplanned
WEST PHOENIX.CT1	08/16/13	15:00	08/17/13	11:00	Unplanned
WEST PHOENIX.CT2	No Outages				
YUCCA CT1	No Outages				
YUCCA CT2	No Outages				
YUCCA CT3	08/22/13	18:33	08/22/13	23:59	Unplanned
YUCCA CT4	No Outages				
YUCCA CT5	08/19/13	19:20	08/20/13	00:30	Unplanned
	08/24/13	14:33	08/26/13	19:14	Unplanned
YUCCA CT6	No Outages				

(1) Designations of 07/01/13 00:00 mean that the outage began in the prior month

(2) Designations of 08/01/13 00:00 mean that the outage continues into the following month.

(3) Outage descriptions conform to the official NERC/GADS outage descriptions. Note that all outages less than 1 hour have been excluded from this

# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: SEPTEMBER 2013

Plant and Unit	Outage Start: Date / Time		Outage End: Date / Time		Description (3)
CHOLLA 1	No Outages				
CHOLLA 2	01-Sep-13	00:00	01-Sep-13	22:25	Unplanned
CHOLLA 3	No Outages				
FOUR CORNERS 1	No Outages				
FOUR CORNERS 2	28-Sep-13	12:40	02-Oct-13	03:56	Unplanned
FOUR CORNERS 3	No Outages				
FOUR CORNERS 4	15-Sep-13	16:36	24-Sep-13	06:21	Unplanned
	24-Sep-13	19:39	24-Sep-13	23:21	Unplanned
FOUR CORNERS 5	09-Sep-13	10:23	09-Sep-13	16:43	Unplanned
	12-Sep-13	10:11	18-Sep-13	08:28	Unplanned
	18-Sep-13	20:04	21-Sep-13	15:01	Unplanned
	30-Sep-13	11:56	02-Oct-13	10:18	Unplanned
NAVAJO 1	08-Sep-13	03:09	12-Sep-13	13:49	Unplanned
	12-Sep-13	13:49	13-Sep-13	17:27	Unplanned
	13-Sep-13	17:27	14-Sep-13	04:07	Unplanned
NAVAJO 2	No Outages				
NAVAJO 3	No Outages				
OCOTILLO ST1	01-Sep-13	14:49	02-Sep-13	17:00	Unplanned
	02-Sep-13	17:00	03-Sep-13	10:00	Maintenance
	16-Sep-13	07:50	16-Sep-13	11:17	Unplanned
OCOTILLO ST2	02-Sep-13	17:00	03-Sep-13	05:20	Maintenance
OCOTILLO.CT1	No Outages				
OCOTILLO.CT2	No Outages				
PALO VERDE 1	No Outages				
PALO VERDE 2	No Outages				
PALO VERDE 3	No Outages				
REDHAWK CT1A	30-Sep-13	04:30	30-Sep-13	09:30	Unplanned
REDHAWK CT1B	23-Sep-13	00:30	23-Sep-13	07:25	Unplanned
REDHAWK ST1	No Outages				
REDHAWK.CT2A	No Outages				Unplanned
REDHAWK.CT2B	07-Sep-13	15:02	07-Sep-13	22:00	Unplanned
	08-Sep-13	22:00	10-Sep-13	14:16	Unplanned
	10-Sep-13	20:23	10-Sep-13	22:20	Unplanned
	14-Sep-13	11:03	16-Sep-13	20:00	Unplanned
REDHAWK.ST2	No Outages				
SAGUARO ST1	No Outages				
SAGUARO ST2	No Outages				
SAGUARO.CT1	No Outages				
SAGUARO.CT2	No Outages				
SAGUARO.CT3	15-Sep-13	19:15	15-Sep-13	19:43	Unplanned
DOUGLAS (FAIRVIEW) 1	No Outages				
SUNDANCE 1	10-Sep-13	08:01	10-Sep-13	16:35	Unplanned

# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: SEPTEMBER 2013

Plant and Unit	Outage Start: Date / Time	Outage End: Date / Time	Description (3)
SUNDANCE 2	17-Sep-13 14:43	17-Sep-13 15:23	Unplanned
	17-Sep-13 16:08	18-Sep-13 13:29	Unplanned
	18-Sep-13 15:05	19-Sep-13 15:28	Maintenance
	19-Sep-13 17:53	20-Sep-13 16:58	Maintenance
	20-Sep-13 18:11	21-Sep-13 14:33	Maintenance
	21-Sep-13 15:35	23-Sep-13 15:47	Maintenance
	23-Sep-13 23:22	24-Sep-13 13:33	Maintenance
	23-Sep-13 17:35	23-Sep-13 18:43	Maintenance
	23-Sep-13 16:00	23-Sep-13 17:27	Maintenance
	24-Sep-13 15:45	25-Sep-13 14:22	Maintenance
	25-Sep-13 19:35	30-Sep-13 00:00	Maintenance
SUNDANCE 3	10-Sep-13 08:01	10-Sep-13 16:35	Unplanned
SUNDANCE 4	10-Sep-13 08:01	10-Sep-13 16:35	Unplanned
SUNDANCE 5	10-Sep-13 08:01	19-Sep-13 23:00	Unplanned
SUNDANCE 6	10-Sep-13 08:01	19-Sep-13 23:00	Unplanned
SUNDANCE 7	08-Sep-13 12:04	08-Sep-13 20:12	Unplanned
	10-Sep-13 08:04	10-Sep-13 10:22	Unplanned
SUNDANCE 8	08-Sep-13 12:04	08-Sep-13 20:12	Unplanned
	10-Sep-13 08:04	10-Sep-13 10:22	Unplanned
SUNDANCE 9	08-Sep-13 12:04	15-Sep-13 21:06	Unplanned
SUNDANCE.10	08-Sep-13 12:04	15-Sep-13 20:30	Unplanned
WEST PHOENIX CC1	No Outages		
WEST PHOENIX CC2	No Outages		
WEST PHOENIX CC3	17-Sep-13 09:36	19-Sep-13 06:00	Unplanned
	20-Sep-13 12:00	28-Sep-13 00:00	Unplanned
WEST PHOENIX CC4	11-Sep-13 09:30	11-Sep-13 09:51	Unplanned
	17-Sep-13 08:40	17-Sep-13 10:30	Unplanned
WEST PHOENIX CT5A	No Outages		
WEST PHOENIX CT5B	10-Sep-13 05:44	10-Sep-13 09:00	Unplanned
	26-Sep-13 04:58	26-Sep-13 07:58	Unplanned
WEST PHOENIX-ST5	No Outages		
WEST PHOENIX.CT1	No Outages		
WEST PHOENIX.CT2	03-Sep-13 15:55	03-Sep-13 17:40	Unplanned
YUCCA CT1	23-Sep-13 08:00	27-Sep-13 20:30	Planned
YUCCA CT2	23-Sep-13 08:00	27-Sep-13 21:20	Planned
YUCCA CT3	No Outages		
YUCCA CT4	No Outages		
YUCCA CT5	21-Sep-13 00:00	21-Sep-13 13:45	Maintenance
YUCCA CT6	21-Sep-13 00:00	21-Sep-13 13:45	Maintenance

## **ARIZONA PUBLIC SERVICE COMPANY**

### **GENERATING UNIT OUTAGES FOR THE MONTH OF: SEPTEMBER 2013**

<b>Plant and Unit</b>	<b>Outage Start: Date / Time</b>	<b>Outage End: Date / Time</b>	<b>Description (3)</b>
-----------------------	--------------------------------------	------------------------------------	------------------------

- (1) Designations of 09/01/13 00:00 mean that the outage began in the prior month  
(2) Designations of 10/01/13 00:00 mean that the outage continues into the following month.  
(3) Outage descriptions conform to the official NERC/GADS outage descriptions. Note that all outages less than 1 hour have been excluded from this

# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: OCTOBER 2013

Plant and Unit	Outage Start: Date / Time	Outage End: Date / Time	Description (3)
CHOLLA 1	04-Oct-13 22:17	41552 21:34	Unplanned
CHOLLA 2	No Outages		
CHOLLA 3	No Outages		
FOUR CORNERS 1	No Outages		
FOUR CORNERS 2	No Outages		
FOUR CORNERS 3	03-Oct-13 22:09	09-Oct-13 18:27	Unplanned
FOUR CORNERS 4	19-Oct-13 14:13	26-Oct-13 23:24	Unplanned
FOUR CORNERS 5	11-Oct-13 23:00	12-Oct-13 15:18	Unplanned
NAVAJO 1	No Outages		
NAVAJO 2	No Outages		
NAVAJO 3	No Outages		
OCOTILLO ST1	02-Oct-13 00:00	03-Oct-13 22:00	Maintenance
OCOTILLO ST2	02-Oct-13 00:00	03-Oct-13 22:00	Maintenance
	18-Oct-13 00:00	26-Oct-13 00:00	Maintenance
OCOTILLO.CT1	21-Oct-13 06:00	22-Oct-13 16:58	Planned
OCOTILLO.CT2	12-Oct-13 02:32	01-Nov-13 00:00 (2)	Planned
PALO VERDE 1	No Outages		
PALO VERDE 2	No Outages		
PALO VERDE 3	05-Oct-13 00:00	01-Nov-13 00:00 (2)	Planned
REDHAWK CT1A	23-Oct-13 22:12	24-Oct-13 21:15	Unplanned
	29-Oct-13 07:00	29-Oct-13 09:00	Maintenance
	29-Oct-13 20:31	30-Oct-13 03:00	Unplanned
REDHAWK CT1B	23-Oct-13 22:12	24-Oct-13 21:15	Unplanned
	29-Oct-13 07:00	29-Oct-13 09:00	Maintenance
REDHAWK ST1	23-Oct-13 22:12	24-Oct-13 21:15	Unplanned
	29-Oct-13 07:00	29-Oct-13 09:00	Maintenance
REDHAWK.CT2A	02-Oct-13 22:00	03-Oct-13 14:55	Unplanned
	19-Oct-13 07:40	19-Oct-13 11:10	Maintenance
REDHAWK.CT2B	02-Oct-13 22:00	03-Oct-13 14:55	Unplanned
	19-Oct-13 07:40	19-Oct-13 11:10	Maintenance
REDHAWK.ST2	02-Oct-13 22:00	03-Oct-13 14:55	Unplanned
	19-Oct-13 07:40	19-Oct-13 11:10	Maintenance
SAGUARO ST1	No Outages		
SAGUARO ST2	No Outages		
SAGUARO.CT1	01-Oct-13 00:00	(1) 01-Nov-13 00:00 (2)	Unplanned
SAGUARO.CT2	03-Oct-13 08:33	05-Oct-13 12:55	Planned
	11-Oct-13 00:00	01-Nov-13 00:00 (2)	Maintenance
SAGUARO.CT3	11-Oct-13 23:59	12-Oct-13 02:15	Unplanned
	29-Oct-13 09:00	29-Oct-13 13:20	Unplanned

## **ARIZONA PUBLIC SERVICE COMPANY**

GENERATING UNIT OUTAGES  
FOR THE MONTH OF:  
**OCTOBER 2013**

<b>Plant and Unit</b>	<b>Outage Start: Date / Time</b>	<b>Outage End: Date / Time</b>	<b>Description (3)</b>
DOUGLAS (FAIRVIEW) 1	28-Oct-13 13:00	31-Oct-13 17:00	Planned

# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: OCTOBER 2013

Plant and Unit	Outage Start: Date / Time	Outage End: Date / Time	Description (3)
SUNDANCE 1	27-Oct-13 23:30	28-Oct-13 10:00	Planned
SUNDANCE 2	01-Oct-13 00:00	(1) 01-Nov-13 00:00 (2)	Maintenance
SUNDANCE 3	28-Oct-13 23:30	28-Oct-13 10:00	Planned
SUNDANCE 4	27-Oct-13 23:30	28-Oct-13 10:00	Planned
SUNDANCE 5	27-Oct-13 23:30	28-Oct-13 10:00	Planned
	28-Oct-13 13:00	01-Nov-13 00:00 (2)	Planned
SUNDANCE 6	28-Oct-13 13:00	01-Nov-13 00:00 (2)	Planned
SUNDANCE 7	No Outages		
SUNDANCE 8	No Outages		
SUNDANCE 9	22-Oct-13 18:17	23-Oct-13 05:35	Unplanned
SUNDANCE.10	No Outages		
WEST PHOENIX CC1	No Outages		
WEST PHOENIX CC2	No Outages		
WEST PHOENIX CC3	No Outages		
WEST PHOENIX CC4	No Outages		
WEST PHOENIX CT5A	12-Oct-13 23:59	24-Oct-13 00:00	Maintenance
WEST PHOENIX CT5B	08-Oct-13 13:23	08-Oct-13 14:42	Unplanned
	11-Oct-13 23:59	24-Oct-13 00:00	Planned
	27-Oct-13 07:54	28-Oct-13 01:30	Unplanned
WEST PHOENIX.CT1	22-Oct-13 05:00	01-Nov-13 00:00 (2)	Planned
WEST PHOENIX.CT2	No Outages		
WEST PHOENIX-ST5	11-Oct-13 23:59	24-Oct-13 00:00	Maintenance
YUCCA CT1	03-Oct-13 07:28	20-Oct-13 21:01	Planned
	20-Oct-13 21:36	21-Oct-13 15:58	Planned
	21-Oct-13 21:36	23-Oct-13 08:52	Planned
	23-Oct-13 09:04	23-Oct-13 15:00	Planned
YUCCA CT2	22-Oct-13 20:33	23-Oct-13 09:20	Planned
	23-Oct-13 09:30	23-Oct-13 15:00	Planned
YUCCA CT3	No Outages		
YUCCA CT4	30-Oct-13 08:00	30-Oct-13 10:41	Planned
YUCCA CT5	No Outages		
YUCCA CT6	No Outages		



## **ARIZONA PUBLIC SERVICE COMPANY**

### **GENERATING UNIT OUTAGES FOR THE MONTH OF: OCTOBER 2013**

<b>Plant and Unit</b>	<b>Outage Start: Date / Time</b>	<b>Outage End: Date / Time</b>	<b>Description (3)</b>
-----------------------	--------------------------------------	------------------------------------	------------------------

- (1) Designations of 10/01/13 00:00 mean that the outage began in the prior month  
(2) Designations of 11/01/13 00:00 mean that the outage continues into the following month.  
(3) Outage descriptions conform to the official NERC/GADS outage descriptions. Note that all outages less than 1 hour have been excluded from this

# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: NOVEMBER 2013

Plant and Unit	Outage Start: Date / Time		Outage End: Date / Time		Description (3)
CHOLLA 1	No Outages				
CHOLLA 2	22-Nov-13	23:55	26-Nov-13	22:06	Unplanned
CHOLLA 3	09-Nov-13	0:13	19-Nov-13	23:00	Planned
	19-Nov-13	23:00	21-Nov-13	19:10	Unplanned
	21-Nov-13	23:16	22-Nov-13	7:53	Planned
FOUR CORNERS 1	No Outages				
FOUR CORNERS 2	No Outages				
FOUR CORNERS 3	01-Nov-13	21:59	02-Nov-13	16:20	Unplanned
	14-Nov-13	9:29	21-Nov-13	10:26	Unplanned
FOUR CORNERS 4	No Outages				
FOUR CORNERS 5	30-Nov-13	2:00	01-Dec-13	0:48	Unplanned
NAVAJO 1	No Outages				
NAVAJO 2	15-Nov-13	21:44	18-Nov-13	17:22	Maintenance
	23-Nov-13	3:46	23-Nov-13	4:54	Unplanned
	23-Nov-13	0:14	23-Nov-13	3:08	Unplanned
	23-Nov-13	6:40	23-Nov-13	8:25	Unplanned
NAVAJO 3	No Outages				
OCOTILLO ST1	14-Nov-13	10:57	14-Nov-13	11:58	Unplanned
OCOTILLO ST2	29-Nov-13	15:43	01-Dec-13	0:00 (2)	Unplanned
OCOTILLO.CT1	No Outages				
OCOTILLO.CT2	01-Nov-13	0:00 (1)	22-Nov-13	17:00	Planned
	22-Nov-13	17:28	22-Nov-13	17:28	Planned
PALO VERDE 1	No Outages				
PALO VERDE 2	No Outages				
PALO VERDE 3	01-Nov-13	0:00 (1)	01-Nov-13	0:00	Planned
	10-Nov-13	10:44	10-Nov-13	10:44	Planned
	12-Nov-13	9:03	17-Nov-13	10:00	Planned
	18-Nov-13	12:00	26-Nov-13	4:58	Planned
	26-Nov-13	10:47	26-Nov-13	12:04	Planned
					Unplanned
REDHAWK CT1A	16-Nov-13	2:32	26-Nov-13	16:00	Planned
	27-Nov-13	18:36	27-Nov-13	22:15	Unplanned
REDHAWK CT1B	01-Nov-13	20:17	04-Nov-13	7:15	Unplanned
	15-Nov-13	22:25	26-Nov-13	12:10	Planned
	26-Nov-13	13:21	26-Nov-13	16:53	Unplanned
	27-Nov-13	18:36	27-Nov-13	22:15	Unplanned
REDHAWK ST1	16-Nov-13	0:08	26-Nov-13	12:10	Planned
	27-Nov-13	18:30	27-Nov-13	22:15	Unplanned
REDHAWK.CT2A	22-Nov-13	19:34	23-Nov-13	1:30	Unplanned
REDHAWK.CT2B	22-Nov-13	19:33	23-Nov-13	5:00	Unplanned
REDHAWK.ST2	22-Nov-13	19:49	23-Nov-13	2:46	Unplanned
SAGUARO ST1	No Outages				
SAGUARO ST2	No Outages				
SAGUARO.CT1	01-Nov-13	0:00 (1)	01-Dec-13	0:00 (2)	Unplanned
SAGUARO.CT2	01-Nov-13	0:00 (1)	15-Nov-13	16:00	Maintenance
SAGUARO.CT3	23-Nov-13	10:00	01-Dec-13	0:00 (2)	Unplanned
DOUGLAS (FAIRVIEW) 1	No Outages				

# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES

FOR THE MONTH OF:

NOVEMBER 2013

Plant and Unit	Outage Start: Date / Time		Outage End: Date / Time		Description (3)
SUNDANCE 1	20-Nov-13	19:25	20-Nov-13	21:20	Maintenance
	25-Nov-13	6:00	25-Nov-13	15:55	Planned
SUNDANCE 2	01-Nov-13	0:00 (1)	01-Dec-13	0:00 (2)	Maintenance
SUNDANCE 3	20-Nov-13	20:13	20-Nov-13	23:15	Maintenance
	25-Nov-13	6:00	25-Nov-13	15:55	Planned
SUNDANCE 4	21-Nov-13	1:00	21-Nov-13	2:15	Maintenance
	25-Nov-13	6:00	25-Nov-13	15:55	Planned
SUNDANCE 5	21-Nov-13	2:45	21-Nov-13	4:00	Planned
	25-Nov-13	6:00	25-Nov-13	16:10	Planned
SUNDANCE 6	21-Nov-13	22:00	21-Nov-13	23:59	Maintenance
SUNDANCE 7	09-Nov-13	3:30	09-Nov-13	5:05	Planned
	12-Nov-13	0:01	20-Nov-13	14:41	Planned
	25-Nov-13	6:00	25-Nov-13	16:20	Planned
SUNDANCE 8	12-Nov-13	0:01	20-Nov-13	21:00	Planned
	25-Nov-13	6:00	25-Nov-13	16:20	Planned
SUNDANCE 9	25-Nov-13	6:00	25-Nov-13	16:20	Planned
SUNDANCE.10	22-Nov-13	1:00	22-Nov-13	4:35	Unplanned
	25-Nov-13	6:00	25-Nov-13	16:20	Planned
WEST PHOENIX CC1	09-Nov-13	12:45	09-Nov-13	15:06	Unplanned
	13-Nov-13	6:00	15-Nov-13	15:00	Planned
WEST PHOENIX CC2	13-Nov-13	0:00	13-Nov-13	17:00	Planned
WEST PHOENIX CC3	13-Nov-13	6:00	16-Nov-13	8:00	Planned
	22-Nov-13	10:25	22-Nov-13	14:00	Unplanned
WEST PHOENIX CC4	23-Nov-13	2:27	23-Nov-13	6:00	Unplanned
	24-Nov-13	14:45	25-Nov-13	14:30	Unplanned
WEST PHOENIX CT5A	21-Nov-13	8:15	21-Nov-13	17:46	Unplanned
WEST PHOENIX CT5B	21-Nov-13	19:15	22-Nov-13	7:20	Unplanned
WEST PHOENIX-ST5	21-Nov-13	17:54	22-Nov-13	7:20	Unplanned
WEST PHOENIX.CT1	01-Nov-13	0:00	01-Dec-13	0:00	Planned
WEST PHOENIX.CT2	22-Nov-13	20:00	23-Nov-13	8:00	Unplanned
YUCCA CT1	No Outages				
YUCCA CT2	No Outages				
YUCCA CT3	No Outages				
YUCCA CT4	No Outages				
YUCCA CT5	No Outages				
YUCCA CT6	07-Nov-13	17:44	07-Nov-13	21:20	Unplanned
	09-Nov-13	7:50	09-Nov-13	17:10	Unplanned

(1) Designations of 11/01/13 00:00 mean that the outage began in the prior month

(2) Designations of 12/01/13 00:00 mean that the outage continues into the following month.

(3) Outage descriptions conform to the official NERC/GADS outage descriptions. Note that all outages less than 1 hour have been excluded from t

# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: DECEMBER 2013

Plant and Unit	Outage Start: Date / Time		Outage End: Date / Time		Description (3)
CHOLLA 1	16-Dec-13	10:14	20-Dec-13	19:12	Maintenance
CHOLLA 2	10-Dec-13	23:07	11-Dec-13	10:38	Unplanned
CHOLLA 3	19-Dec-13	20:57	21-Dec-13	23:41	Unplanned
	22-Dec-13	02:45	22-Dec-13	04:29	Unplanned
FOUR CORNERS 1	No Outages				
FOUR CORNERS 2	No Outages				
FOUR CORNERS 3	06-Dec-13	08:28	06-Dec-13	12:58	Unplanned
FOUR CORNERS 4	11-Dec-13	16:07	21-Dec-13	18:00	Unplanned
	21-Dec-13	18:00	24-Dec-13	13:00	Unplanned
	24-Dec-13	13:00	26-Dec-13	14:34	Unplanned
FOUR CORNERS 5	09-Dec-13	02:00	19-Dec-13	00:00	Maintenance
	19-Dec-13	00:00	21-Dec-13	16:00	Maintenance
	21-Dec-13	16:00	01-Jan-14	00:00	(2) Maintenance
NAVAJO 1	No Outages				
NAVAJO 2	No Outages				
NAVAJO 3	01-Dec-13	07:47	02-Dec-13	23:47	Unplanned
	02-Dec-13	23:47	05-Dec-13	11:47	Maintenance
	05-Dec-13	11:47	06-Dec-13	23:18	Unplanned
	07-Dec-13	05:53	07-Dec-13	12:34	Unplanned
OCOTILLO ST1	11-Dec-13	02:11	11-Dec-13	13:30	Unplanned
OCOTILLO ST2	01-Dec-13	00:00	(1) 02-Dec-13	09:15	Unplanned
OCOTILLO.CT1	No Outages				
OCOTILLO.CT2	01-Dec-13	00:00	(1) 02-Dec-13	09:06	Planned
	02-Dec-13	13:57	03-Dec-13	08:33	Planned
PALO VERDE 1	No Outages				
PALO VERDE 2	02-Dec-13	17:58	14-Dec-13	01:50	Unplanned
PALO VERDE 3	No Outages				
REDHAWK CT1A	06-Dec-13	08:25	06-Dec-13	12:00	Unplanned
	06-Dec-13	01:30	06-Dec-13	07:00	Unplanned
REDHAWK CT1B	02-Dec-13	21:45	03-Dec-13	17:20	Unplanned
	04-Dec-13	04:00	04-Dec-13	15:30	Unplanned
	16-Dec-13	08:45	16-Dec-13	17:30	Unplanned
REDHAWK ST1	09-Dec-13	09:29	09-Dec-13	17:31	Unplanned
REDHAWK.CT2A	No Outages				
REDHAWK.CT2B	No Outages				
REDHAWK.ST2	No Outages				
SAGUARO ST1	No Outages				
SAGUARO ST2	No Outages				
SAGUARO.CT1	01-Dec-13	00:00	(1) 01-Jan-14	00:00	(2) Unplanned
SAGUARO.CT2	02-Dec-13	12:24	06-Dec-13	14:30	Unplanned
	19-Dec-13	10:06	23-Dec-13	12:00	Unplanned
SAGUARO.CT3	30-Dec-13	18:41	31-Dec-13	19:50	Unplanned
DOUGLAS (FAIRVIEW) 1	21-Dec-13	08:27	21-Dec-13	09:30	Maintenance
SUNDANCE 1	04-Dec-13	08:00	04-Dec-13	20:00	Planned
	06-Dec-13	09:00	06-Dec-13	18:00	Maintenance

# ARIZONA PUBLIC SERVICE COMPANY

## GENERATING UNIT OUTAGES FOR THE MONTH OF: DECEMBER 2013

Plant and Unit	Outage Start:			Outage End:			Description (3)
	Date / Time			Date / Time			
SUNDANCE 2	01-Dec-13 00:00	(1)		01-Jan-14 00:00	(2)		Maintenance
SUNDANCE 3	02-Dec-13 11:02			02-Dec-13 12:30			Unplanned
	03-Dec-13 14:30			03-Dec-13 15:33			Planned
	06-Dec-13 09:29			06-Dec-13 17:40			Maintenance
SUNDANCE 4	06-Dec-13 09:30			06-Dec-13 17:40			Maintenance
SUNDANCE 5	06-Dec-13 09:00			06-Dec-13 17:40			Maintenance
	18-Dec-13 18:00			19-Dec-13 05:15			Unplanned
SUNDANCE 6	06-Dec-13 09:30			06-Dec-13 17:40			Maintenance
SUNDANCE 7	06-Dec-13 09:30			06-Dec-13 17:40			Maintenance
	21-Dec-13 02:00			21-Dec-13 15:00			Maintenance
SUNDANCE 8	06-Dec-13 09:30			06-Dec-13 17:40			Maintenance
	21-Dec-13 02:00			21-Dec-13 15:00			Maintenance
SUNDANCE 9	06-Dec-13 09:30			06-Dec-13 17:40			Maintenance
	21-Dec-13 02:00			22-Dec-13 13:02			Maintenance
SUNDANCE.10	06-Dec-13 09:30			06-Dec-13 17:40			Maintenance
	21-Dec-13 02:00			22-Dec-13 13:02			Maintenance
WEST PHOENIX CC1	31-Dec-13 17:14			01-Jan-14 00:00	(2)		Unplanned
WEST PHOENIX CC2	12-Dec-13 06:23			12-Dec-13 09:00			Unplanned
WEST PHOENIX CC3	12-Dec-13 17:20			12-Dec-13 18:23			Unplanned
	19-Dec-13 05:44			19-Dec-13 15:08			Unplanned
WEST PHOENIX CC4	No Outages						
WEST PHOENIX CT5A	05-Dec-13 04:44			05-Dec-13 09:50			Unplanned
	06-Dec-13 05:27			06-Dec-13 09:01			Unplanned
WEST PHOENIX CT5B	No Outages						
WEST PHOENIX-ST5	03-Dec-13 14:00			04-Dec-13 11:30			Unplanned
WEST PHOENIX.CT1	01-Dec-13 00:00	(1)		04-Dec-13 23:00			Planned
	05-Dec-13 06:45			07-Dec-13 11:45			Unplanned
WEST PHOENIX.CT2	06-Dec-13 10:00			06-Dec-13 16:30			Unplanned
	15-Dec-13 10:40			15-Dec-13 19:25			Unplanned
YUCCA CT1	03-Dec-13 17:42			04-Dec-13 17:15			Unplanned
YUCCA CT2	No Outages						
YUCCA CT3	No Outages						
YUCCA CT4	No Outages						
YUCCA CT5	14-Dec-13 06:00			17-Dec-13 16:33			Maintenance
YUCCA CT6	17-Dec-13 17:00			20-Dec-13 16:51			Maintenance

(1) Designations of 12/01/13 00:00 mean that the outage began in the prior month

(2) Designations of 01/01/14 00:00 mean that the outage continues into the following month.

(3) Outage descriptions conform to the official NERC/GADS outage descriptions. Note that all outages less than 1 hour have been excluded from t

# **Attachment C**

## APS - 2013 EE Participation Levels

RESIDENTIAL PROGRAMS:		2013
<b>Consumer Products Program</b>		
Number of CFL bulbs sold		3,195,822
<b>Pool Pump Motors/Smart Timers</b>		
Variable Speed Motors		6,250
TightWatt Smart Timers		1
<b>Refrigerator Recycling</b>		
Refrigerators		6,283
Freezers		830
<b>Energy Star Homes Program</b>		
Energy Star Homes Completed	Discontinued	
Energy Star HERS 70 Homes Completed	Discontinued	
Energy Star Version 3 Homes Completed		3,446
Energy Star Version 3 HERS 60 Homes Completed		424
<b>Home Performance w/ ENERGY STAR</b>		
Audits		4,722
LF Shower Heads		4,722
LF Aerators		11,484
CFLS		47,220
Air Sealing Only		72
Duct Test & Repair		1,928
Insulation and Airsealing		1,340
Shade Screens		112
<b>HVAC Replacement Program</b>		
Number of rebates paid:		
13 SEER	Discontinued	
14 - 16 SEER	Discontinued	
17+ SEER	Discontinued	
All SEER w/QI (\$270)		8,741
Duct Testing and Repair (Just Repairs)		2,843
Advanced Tune-ups		795
<b>Multi-Family Program</b>		
LF Shower Heads		6,801
LF Aerators		11,679
CFLS		78,932
BOP 1		26
BOP 2		269
BOP 3		679
BOP Retro		0
<b>Shade Tree Program Pilot</b>		
Shade Trees Planted		4,174
<b>Behavioral Program</b>		
Number of Participants		70,837

## APS - 2013 EE Participation Levels

---

**NON-RESIDENTIAL PROGRAMS:**

<i>Large Existing Program - Applications Paid</i>	1169
<i>New Construction - Applications Paid</i>	79
<i>Small Business - Applications Paid</i>	788
<i>Schools Program - Applications Paid</i>	170
<i>Energy Information Services Program</i>	
Number of Customers - Program to Date	55
Number of Meters (signed-up)	222



## APS - 2012 EE Participation Levels

RESIDENTIAL PROGRAMS:	2012
<b>Consumer Products Program</b>	
Number of CFL bulbs sold	2,773,381
<b>Pool Pump Motors/Smart Timers</b>	
Variable Speed Motors	3,858
TightWatt Smart Timers	7
<b>Refrigerator Recycling</b>	
Refrigerators	8,375
Freezers	1,089
<b>Energy Star Homes Program</b>	
Energy Star Homes Completed	151
Energy Star HERS 70 Homes Completed	571
Energy Star Version 3 Homes Completed	1,913
Energy Star Version 3 HERS 60 Homes Completed	102
<b>Home Performance w/ ENERGY STAR</b>	
Audits	7,357
LF Shower Heads	7,357
LF Aerators	22,071
CFLS	73,570
Air Sealing Only	373
Duct Test & Repair	2,763
Insulation and Airsealing	1,722
Shade Screens	466
<b>HVAC Replacement Program</b>	
Number of rebates paid:	
13 SEER	704
14 - 16 SEER	2,256
17+ SEER	249
All SEER w/QI (\$270)	6,145
Duct Testing and Repair (Just Repairs)	2,835
Advanced Tune-ups	1,810
<b>Multi-Family Program</b>	
LF Shower Heads	4,531
LF Aerators	7,789
CFLS	49,924
BOP 1	-
BOP 2	60
BOP 3	60
BOP Retro	80
<b>Shade Tree Program Pilot</b>	
Shade Trees Planted	5,237
<b>Behavioral Program</b>	
Number of Participants	77,900

## APS - 2012 EE Participation Levels

<b>NON-RESIDENTIAL PROGRAMS:</b>	<b>No. of Units</b>
<i>Large Existing Program - Applications Paid</i>	1,856
<i>New Construction - Applications Paid</i>	93
<i>Small Business - Applications Paid</i>	1,271
<i>Schools Program - Applications Paid</i>	45
<i>Energy Information Services Program</i>	
Number of Customers - Program to Date	44
Number of Meters (signed-up)	190

## APS - 2011 EE Participation Levels

RESIDENTIAL PROGRAMS:	No. of Units
<b>Consumer Products Program</b>	
Number of CFL bulbs sold	3,002,438
<b>Pool Pump Motors/Smart Timers</b>	
Two Speed Motors	44
Variable Speed Motors	1,824
TightWatt Smart Timers	160
<b>Refrigerator Recycling</b>	
Refrigerators	8,320
Freezers	1,040
<b>Energy Star Homes Program</b>	
No. of incentives paid for homes completed	472
<b>Energy Star Homes Program - HERS 70</b>	
No. of incentives paid for homes completed	603
<b>Home Performance w/ ENERGY STAR</b>	
Audits	4,855
LF Shower Heads	2,913
LF Aerators	7,283
CFLS	38,840
Air Sealing Only	318
Duct Test & Repair	2,222
Insulation Only	440
Insulation and Airsealing	800
Shade Screens	226
<b>HVAC Replacement Program</b>	
Number of rebates paid:	
13 SEER	2,839
14 - 16 SEER	10,320
17+ SEER	1,029
Duct Testing and Repair (Just Repairs)	1,809
Advanced Tune-ups	226
<b>Multi-Family Program</b>	
LF Shower Heads	3,937
LF Aerators	6,129
CFLS	55,301
BOP 1	0
BOP 2	0
BOP 3	0
BOP Retro	0
<b>Shade Tree Program Pilot</b>	
Shade Trees Planted	5,619
<b>Behavioral Program</b>	
Reports generated	467,655

## APS - 2011 EE Participation Levels

<b>NON-RESIDENTIAL PROGRAMS:</b>	<b>No. of Units</b>
<i>Large Existing Program - Applications Paid</i>	1,312
<i>New Construction - Applications Paid</i>	61
<i>Small Business - Applications Paid</i>	1,263
<i>Schools Program - Applications Paid</i>	165
<i>Energy Information Services Program</i>	
Number of Customers - Program to Date	54
Number of Meters (signed-up)	258

## APS - 2010 EE Participation Levels

RESIDENTIAL PROGRAMS:	No. of Units
<b><i>Consumer Products Program</i></b>	
Number of CFL bulbs sold	3,279,041
<b><i>Pool Pump Motors/Smart Timers</i></b>	
Two Speed Motors	22
Variable Speed Motors	390
TightWatt Smart Timers	89
<b><i>Refrigerator Recycling</i></b>	
Refrigerators	7,016
Freezers	1,050
<b><i>Energy Star Homes Program</i></b>	
No. of incentives paid for homes completed	1,542
<b><i>Energy Star Homes Program - HERS 70</i></b>	
No. of incentives paid for homes completed	144
<b><i>Home Performance w/ ENERGY STAR</i></b>	
Audits	2,363
LF Shower Heads	1,418
LF Aerators	3,547
CFLS	18,904
Air Sealing Only	204
Duct Test & Repair	1,098
Insulation Only	148
Insulation and Airsealing	419
Shade Screens	81
<b><i>HVAC Replacement Program</i></b>	
Number of rebates paid:	
13 SEER	1,797
14 - 16 SEER	9,078
17+ SEER	1,339
Duct Testing and Repair (Just Repairs)	2,009
<b>NON-RESIDENTIAL PROGRAMS:</b>	
<b>Large Existing Program - Applications Paid</b>	<b>803</b>

### APS - 2010 EE Participation Levels

<b>New Construction - Applications Paid</b>	<b>99</b>
<b>Small Business - Applications Paid</b>	<b>1,217</b>
<b>Schools Program - No. of Schools Participating</b>	<b>157</b>
<b><i>Energy Information Services Program</i></b>	
Number of customers in program to date	37
Number of meters (signed-up)	236

## APS - 2009 EE Participation Levels

<b>Residential Programs</b>	<b>No. of Units</b>
<b><i>Consumer Products Program</i></b>	
Number of CFL bulbs sold	2,275,644
<b><i>Energy Star Home Program</i></b>	
No. of incentives paid for homes completed	1,425
<b><i>HVAC Replacement Program</i></b>	
Number of rebates paid:	
14 SEER (Includes 13 - 16 SEER new reb.)	6,611
16 SEER (Includes 17+ Seer New Reb	1,256
Quality Install	534
Duct Testing and Repair	1,784
<b><i>Non-Residential Programs</i></b>	
<b><i>Solutions for Business Program</i></b>	
Number of incentives paid:	
Large existing customers	619
Small business customers	90
New construction	90
<b><i>Energy Information Services Program</i></b>	
Number of customers in program to date	27
Number of meters (signed-up)	166

## APS - 2008 EE Participation Levels

Residential Programs	No. of Units
<b><i>Consumer Products Program</i></b>	
Number of CFL bulbs sold	2,618,975
<b><i>Energy Star Home Program</i></b>	
No. of incentives paid for homes completed	3,183
<b><i>HVAC Replacement Program</i></b>	
Number of rebates paid:	
14 SEER	4,061
16 SEER	433
Quality Install	1,252
Duct Testing and Repair	485
<b>Non-Residential Programs</b>	
<b><i>Solutions for Business Program</i></b>	
Number of incentives paid:	
Large existing customers	316
Small business customers	55
New construction	113
<b><i>Energy Information Services Program</i></b>	
Number of customers in program to date	20
Number of meters (signed-up)	110



# **Attachment D**

## **Demand Response Programs – 2013 Enrollment Levels**

### **2013 APS Peak Solutions**

<b>Event #</b>	<b>Event Date</b>	<b># of Customers in Event</b>
1	06/07/2013	1657

### **2013 Residential Programs**

<b>Event #</b>	<b>Event Date</b>	<b># of Customers in Peak Event Pricing (formally Critical Peak Pricing)</b>	<b># of Customers in Peak Time Rebate Event</b>
1	06/07/2013	677	216
2	06/10/2013	676	216
3	06/12/2013	671	216
4	06/26/2013	663	215
5	06/27/2013	661	215
6	06/28/2013	651	215
7	07/01/2013	657	215
8	07/02/2013	657	216
9	08/08/2013	636	216
10	08/14/2013	634	216
11	08/15/2013	632	216
12	08/16/2013	627	216
13	08/20/2013	615	216
14	08/22/2013	613	216
15	08/23/2013	614	216
16	09/04/2013	592	216
17	09/05/2013	594	216

## **Demand Response Programs – 2012 Enrollment Levels**

### **2012 APS Peak Solutions**

<b>Event #</b>	<b>Event Date</b>	<b># of Customers in Event</b>
1	06/01/2012	2584
2	08/28/2012	2301

### **2012 Peak Event Pricing (formally Critical Peak Pricing)**

<b>Event #</b>	<b>Event Date</b>	<b># of Customers in Event</b>
1	06/01/2012	924
2	06/18/2012	904
3	06/19/2012	863
4	06/20/2012	869
5	06/28/2012	912
6	07/09/2012	897
7	07/10/2012	651
8	08/06/2012	850
9	08/07/2012	850
10	08/08/2012	847
11	08/09/2012	848
12	08/10/2012	846
13	08/13/2012	841
14	08/14/2012	833
15	08/15/2012	820
16	08/28/2012	805

## **Demand Response Programs – 2011 Enrollment Levels**

### **2011 APS Peak Solutions**

<b>Event #</b>	<b>Event Date</b>	<b># of Customers in Event</b>
1	07/20/2011	2,200

### **2011 Peak Event Pricing (formally Critical Peak Pricing)**

<b>Event #</b>	<b>Event Date</b>	<b># of Customers in Event</b>
1	06/22/2011	630
2	06/27/2011	694
3	06/30/2011	731
4	07/21/2011	738
5	08/03/2011	731
6	08/05/2011	723
7	08/17/2011	713
8	08/19/2011	709
9	08/24/2011	707
10	08/30/2011	699
11	09/02/2011	695
12	09/30/2011	680

**2010 APS Peak Solutions**

<b>Event #</b>	<b>Event Date</b>	<b># of Customers in Event</b>
1	07/20/2010	375

**2010 Peak Event Pricing (formally Critical Peak Pricing)**

<b>Event #</b>	<b>Event Date</b>	<b># of Customers in Event</b>
1	07/15/2010	755
2	07/20/2010	731
3	08/04/2010	712
4	08/06/2010	708
5	08/12/2010	696
6	08/25/2010	683

# **Attachment E**

### Low Income Programs – Enrollment Levels

	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>
E-3/E-4 Enrollment*	44,195	46,579	54,966	64,132	69,656	71,981	78,550
Crisis Bill Assistance	1,176	1,055	789	596	718	622	184
150% to 200% Crisis Bill Assistance	N/A	N/A	N/A	99	280	628	959
Weatherization	363	402	203	448	858	852	615

*\*Annualized number of participating customers*

# **Attachment F**



# RES Programs - New Customer Enrollment Levels

	2007	2008	2009	2010	2011	2012	2013
Residential Up Front Incentive ("UFI") <sup>1</sup>	527	826	3,236	5,185	5,594	7,621	7,722
Non-Residential Up Front Incentive ("UFI") <sup>1</sup>	13	35	90	112	120	98	48
Non-Residential Performance Based Incentive ("PBI") <sup>1</sup>	1	5	8	41	117	79	140
School & Government Program <sup>2</sup>	N/A	N/A	N/A	N/A	-	18	55
Green Choice Program <sup>3</sup>	370	1,556	2,301	3,277	3,007	2,844	2,488

<sup>1</sup> Data reflects number of new installations that have received an incentive. UFIs for residential grid-tied solar photovoltaic installations ended on September 23, 2013.

<sup>2</sup> School & Government Program became effective in 2011. No systems were installed in 2011. These numbers include both APS-owned and third-party owned systems. Schools and Government systems are not included in Non-Residential PBI numbers shown above.

<sup>3</sup> Reflects number of participants at the end of each calendar year.